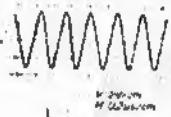
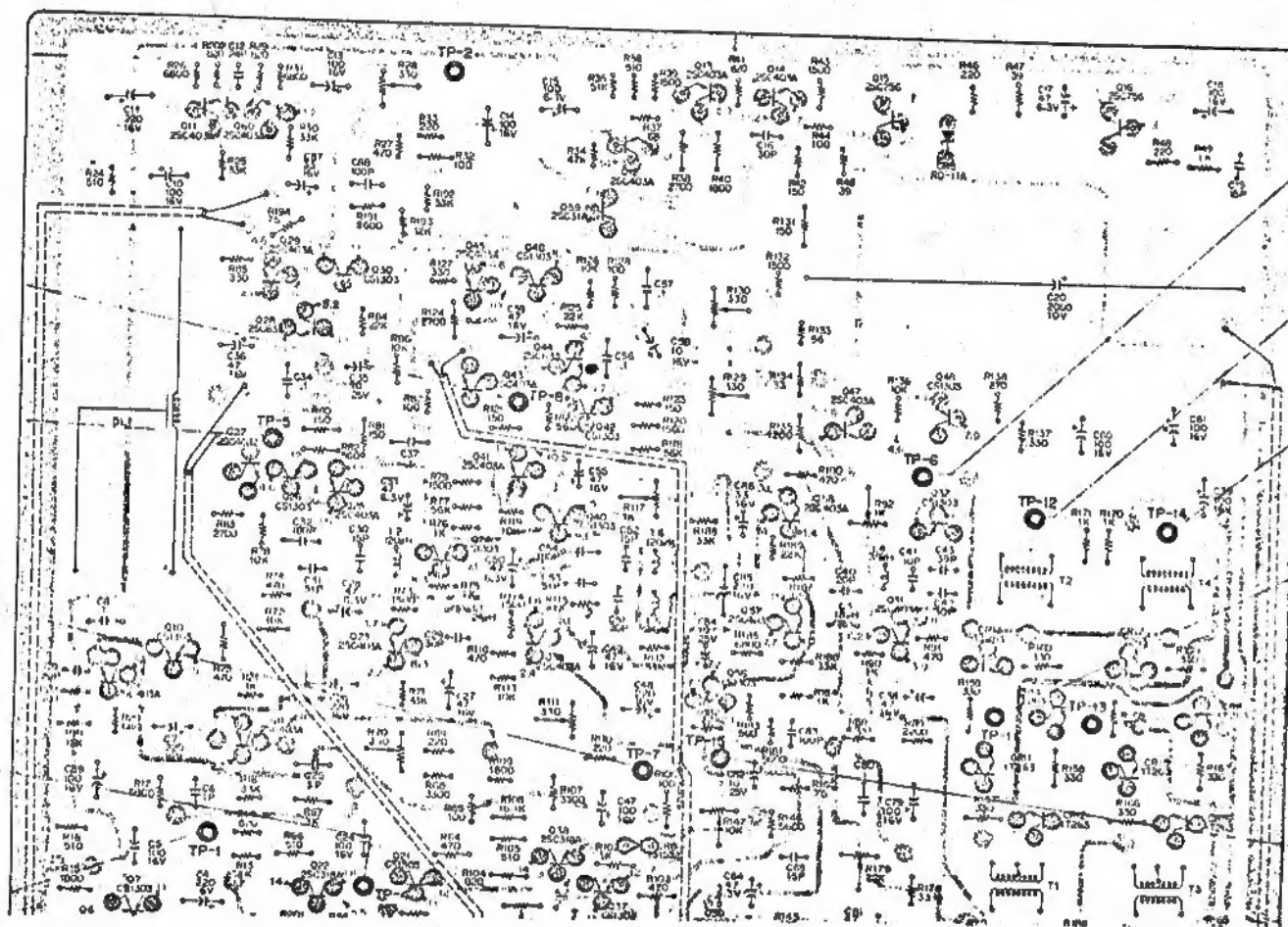


# ENCODER

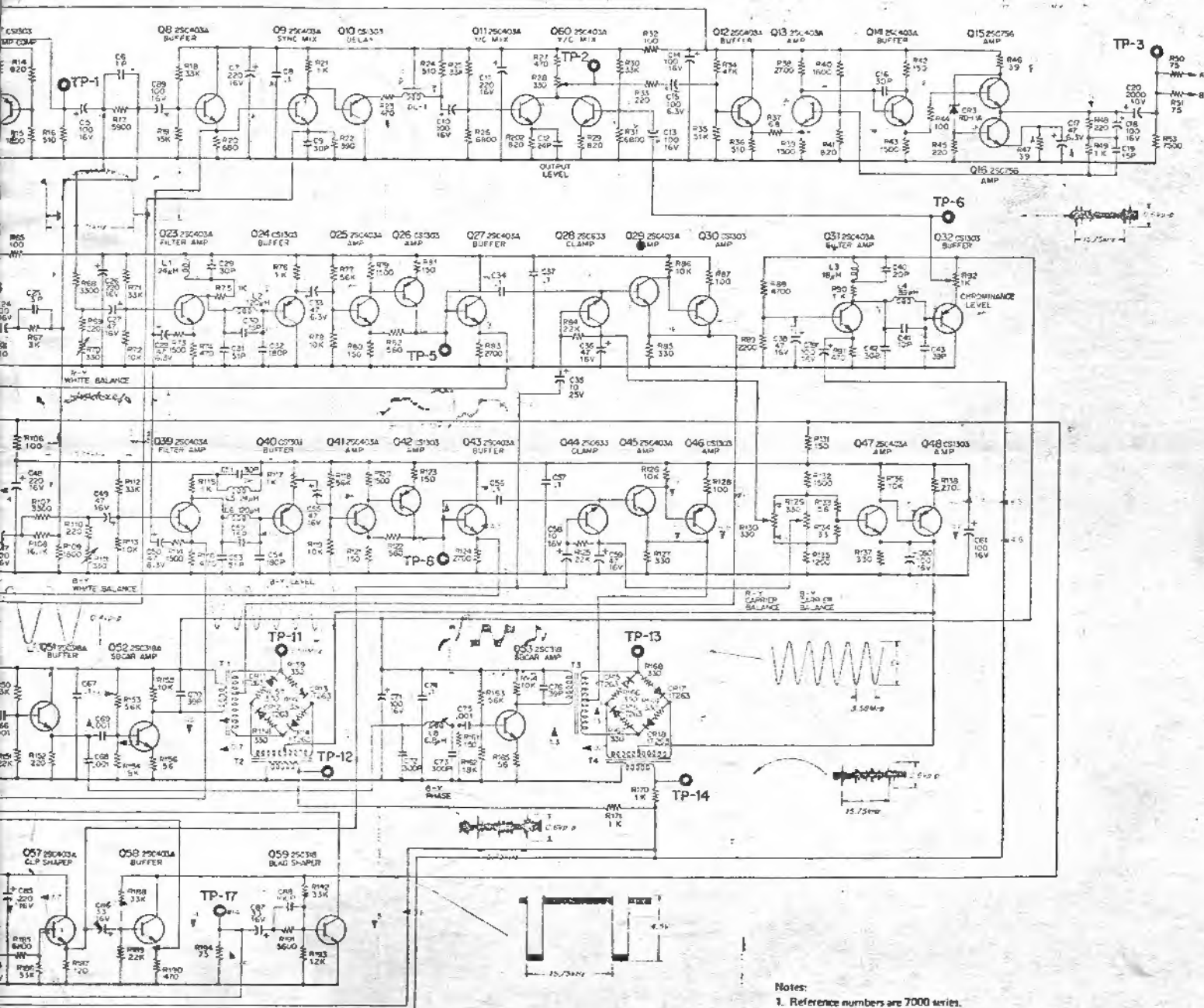
-conductor side-



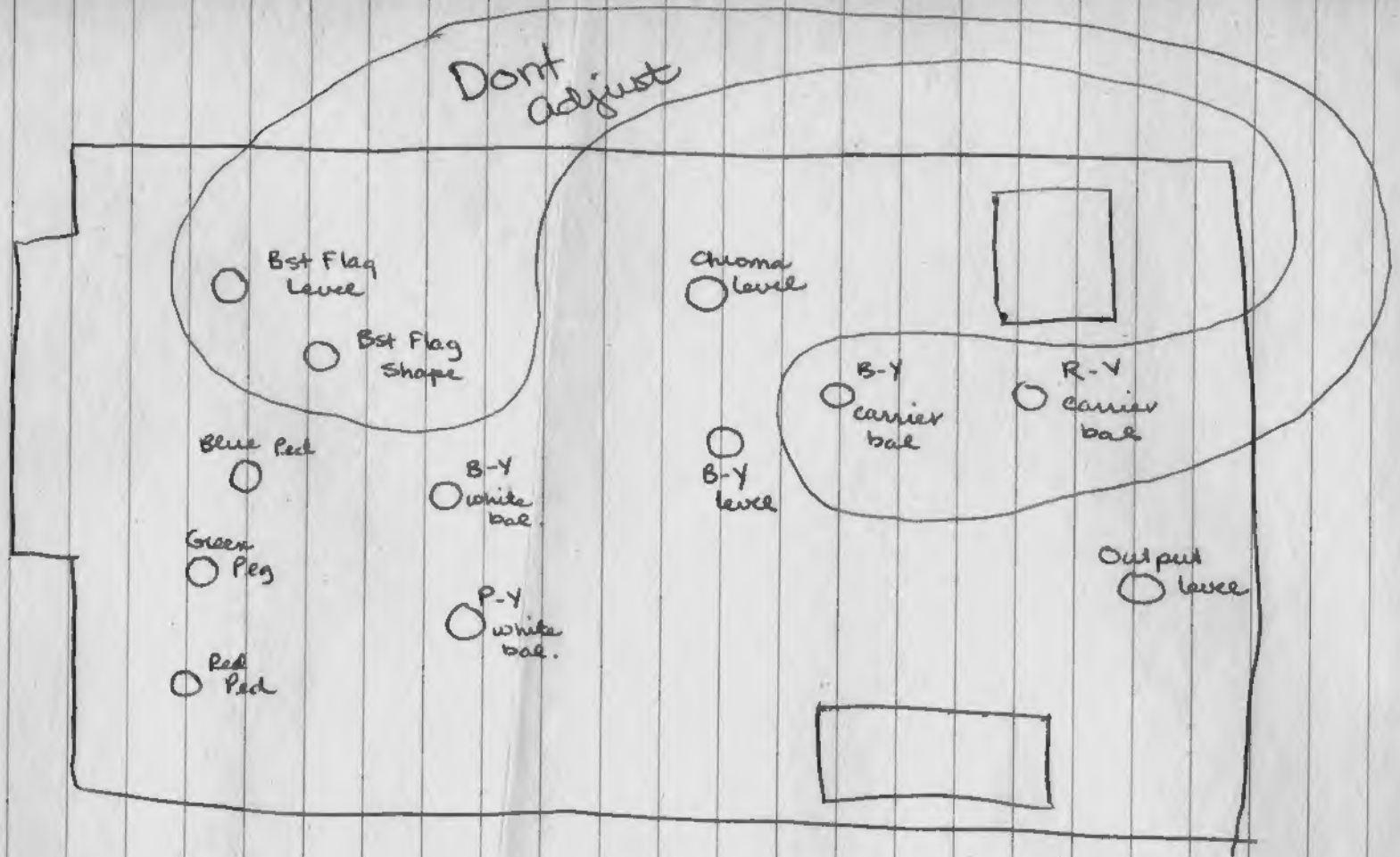


Note:  
Printed pattern of  
component side  
is shown in gray.

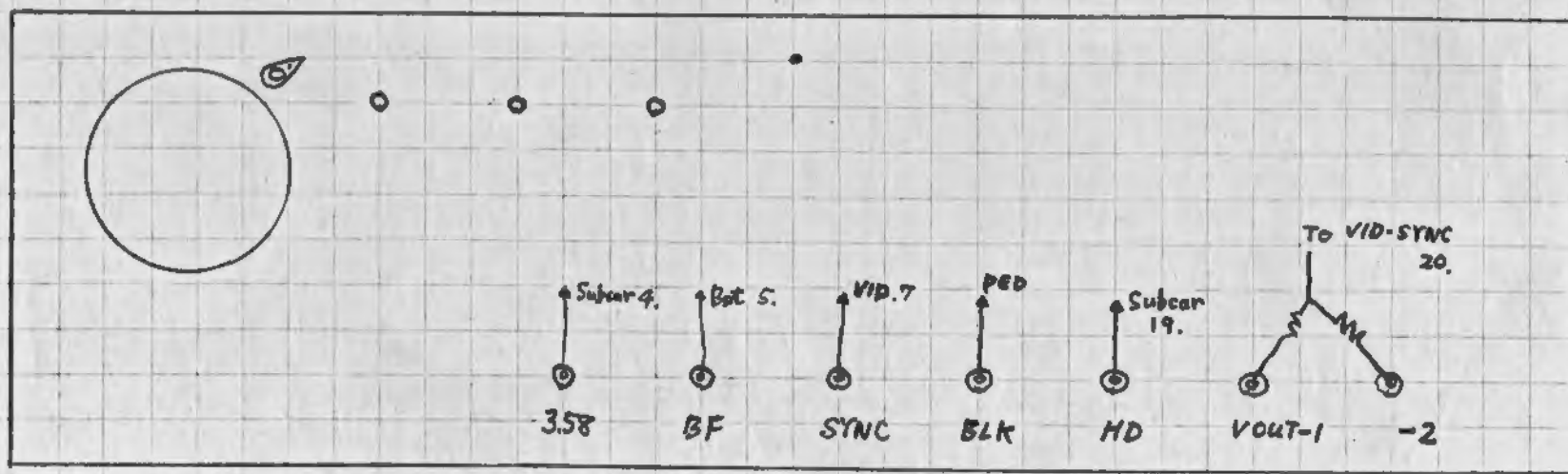
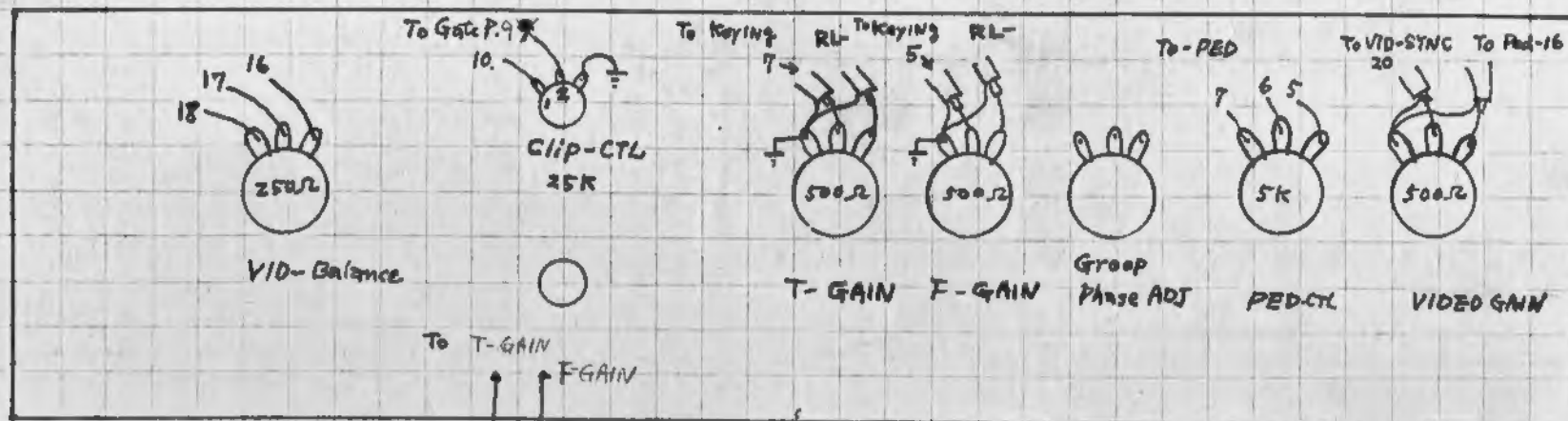
# 6-12. ENCODER

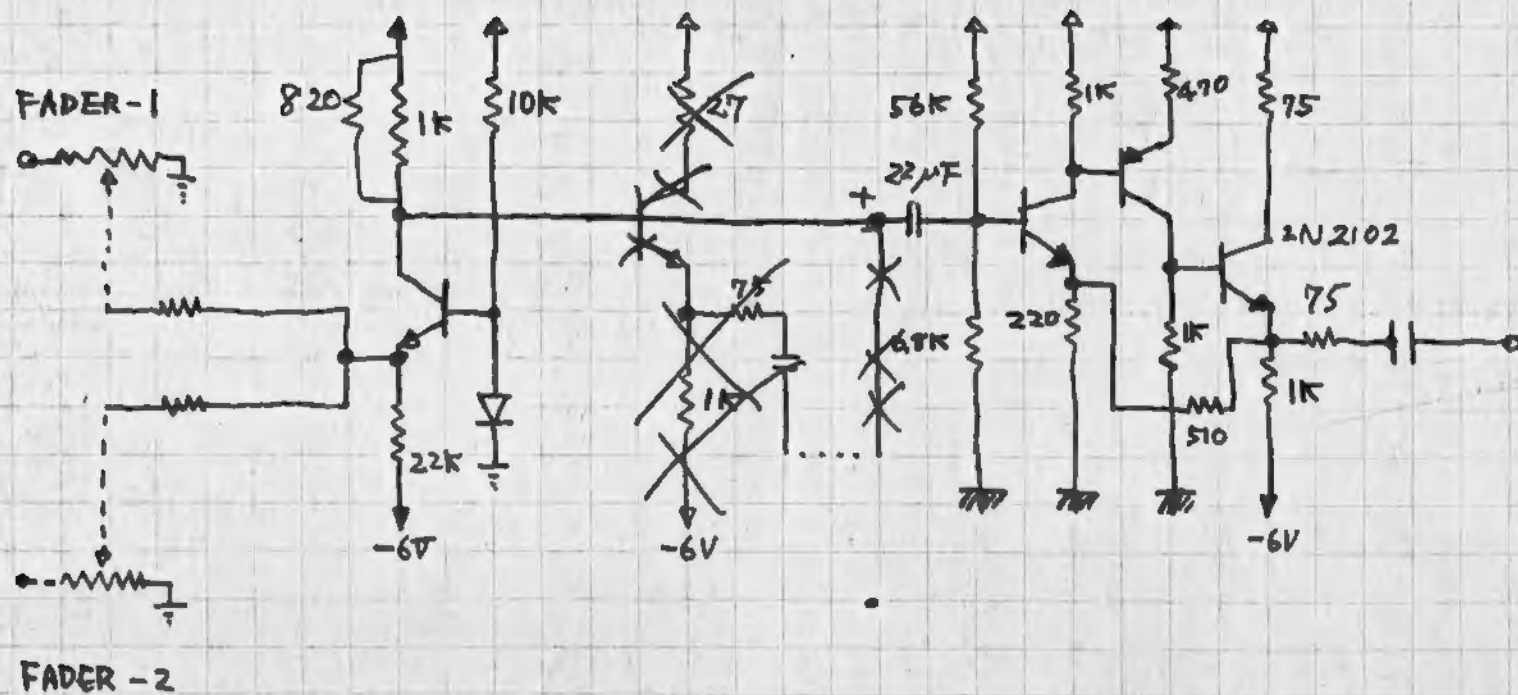


top





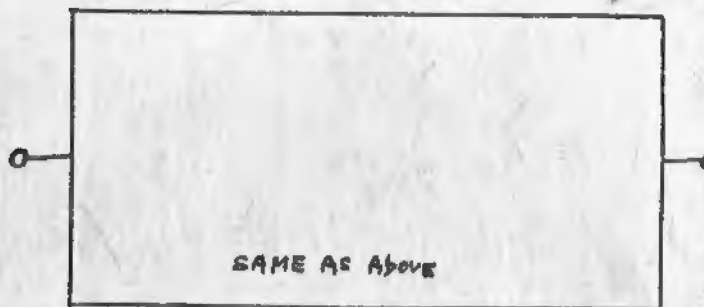
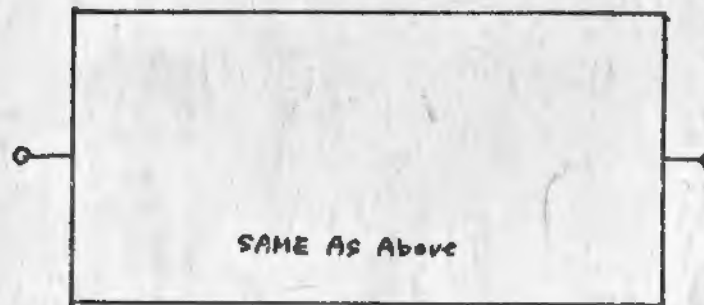
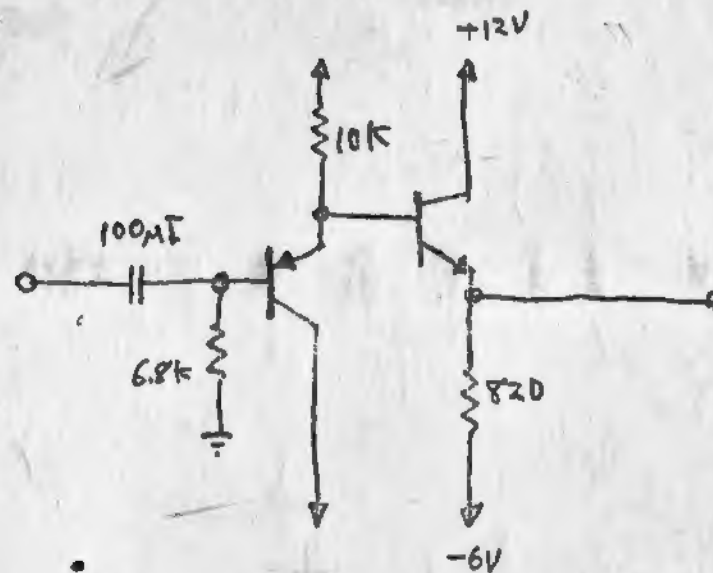




PNP ... 2N9402 or Equivalent

NPV ... 2N9400 ... "

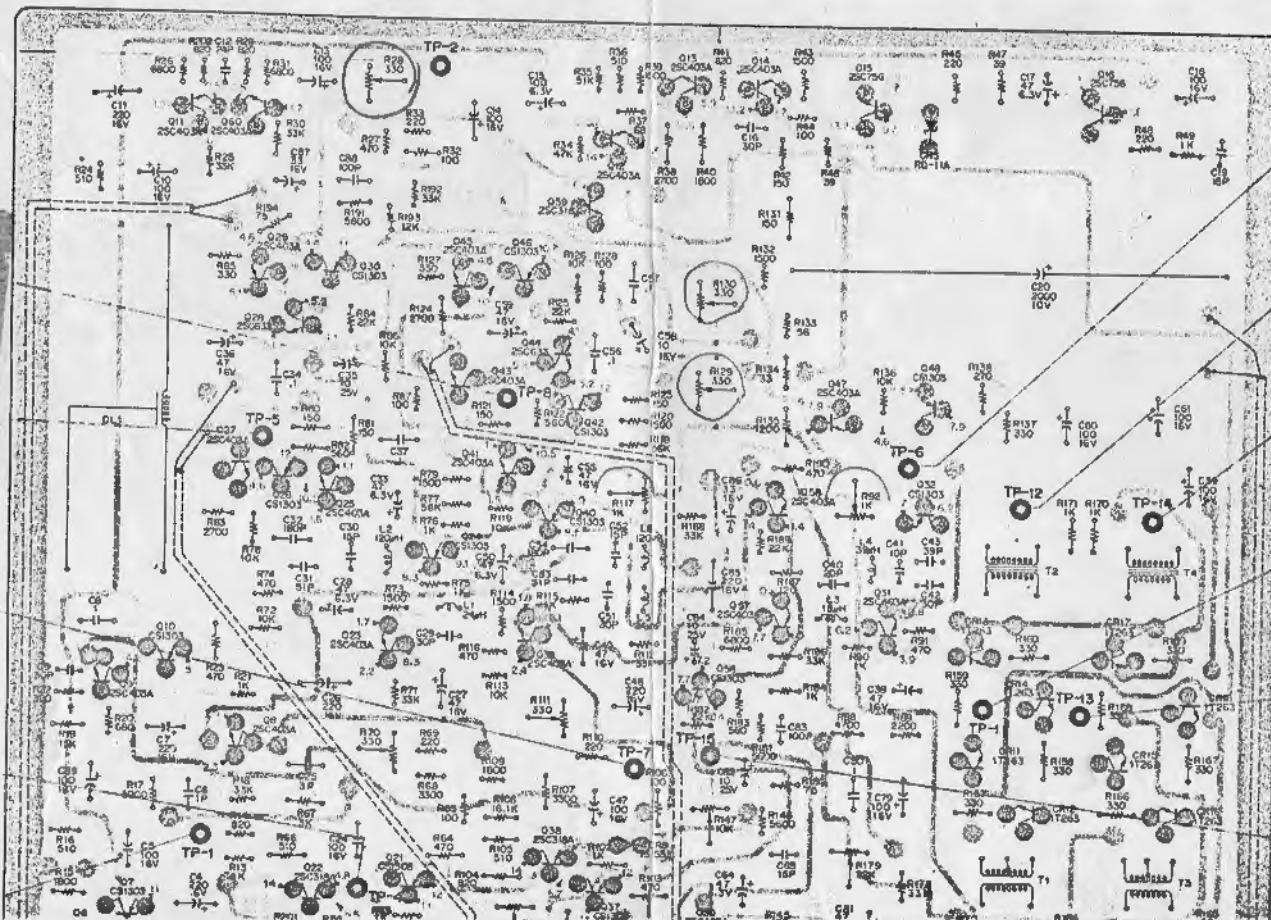
MIXER - FADER OUT PUT  
AMP



SWITCHER INPUT  
EMITTER  
Follower

# ENCODER

-conductor side-



V10 5V/cm  
H: 200µs/cm

V10 5V/cm  
H: 200µs/cm

V10 5V/cm  
H: 200µs/cm

V20V/cm  
H: 200µs/cm

V10V/cm  
H: 200µs/cm

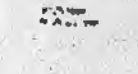
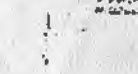
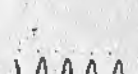
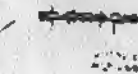
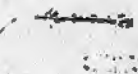
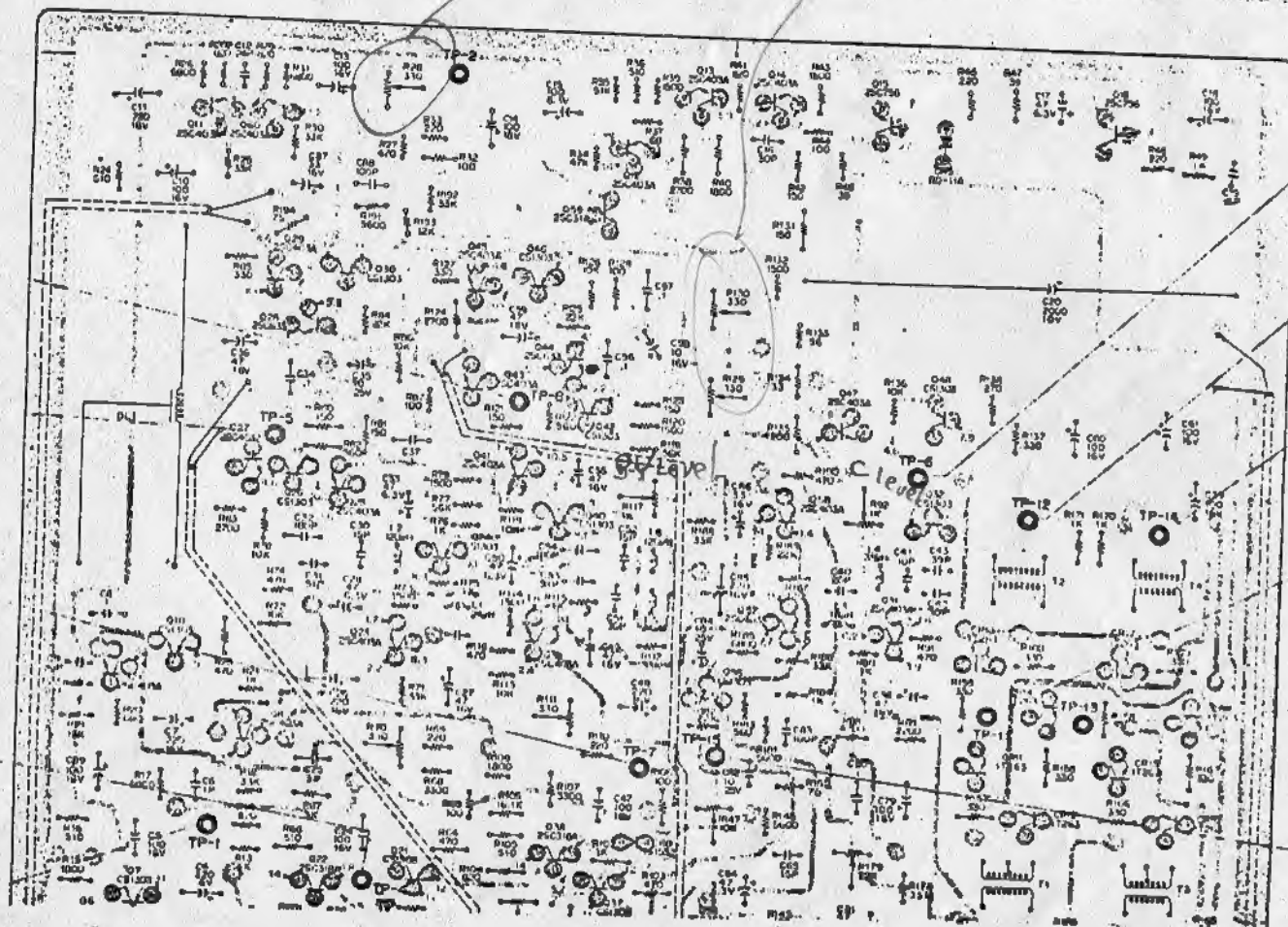
V20V/cm  
H: 200µs/cm



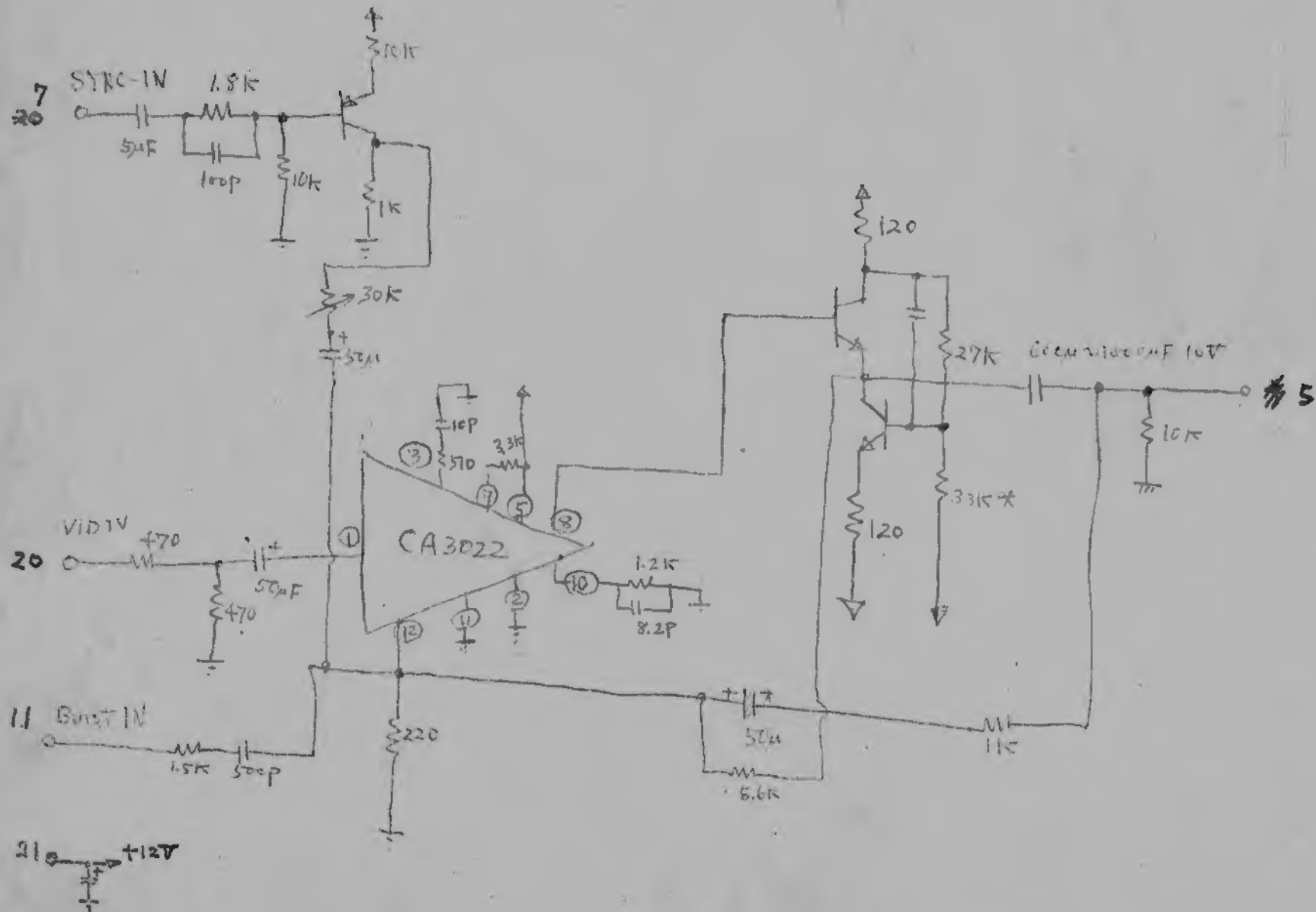
## ENCODER

-conductor side-

output, Carrier Balance



# Video Out AMP for CROMA KEY



Subcar.

Burst

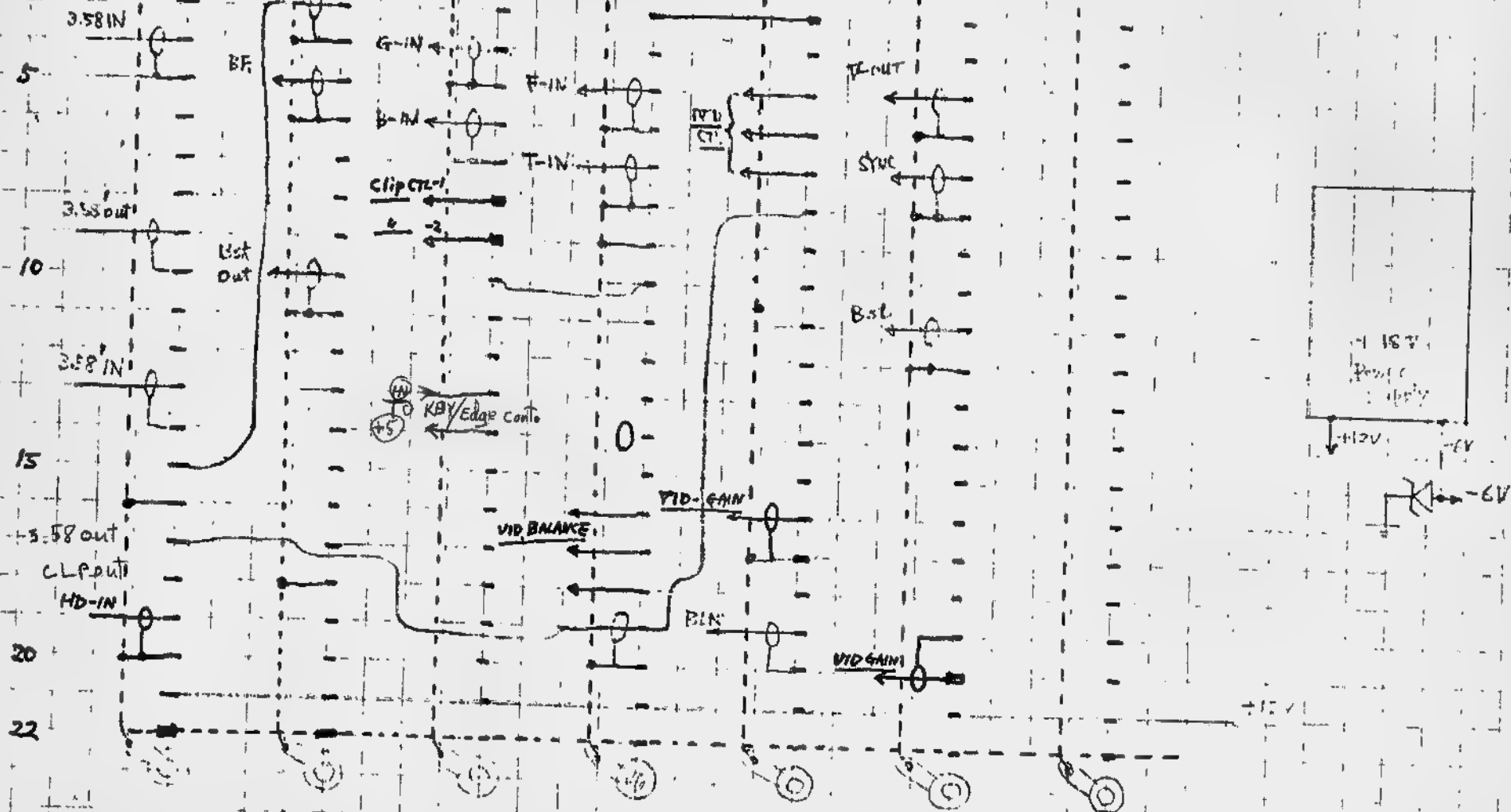
Gate Pulse

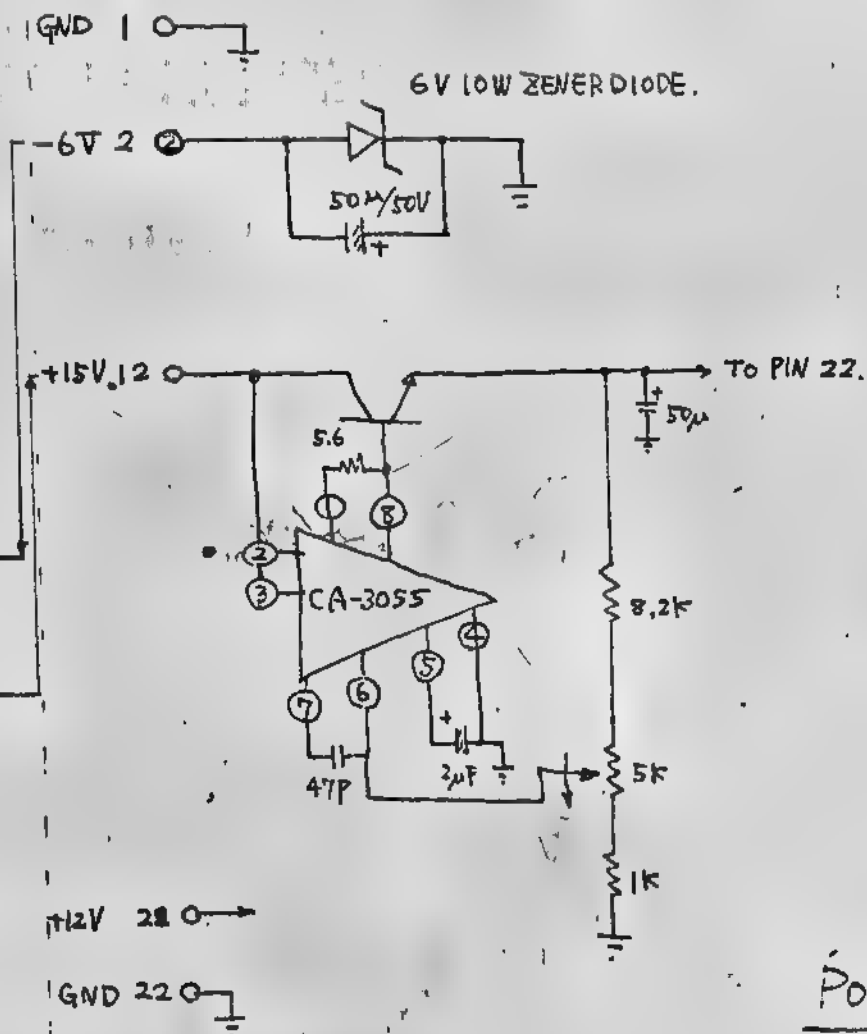
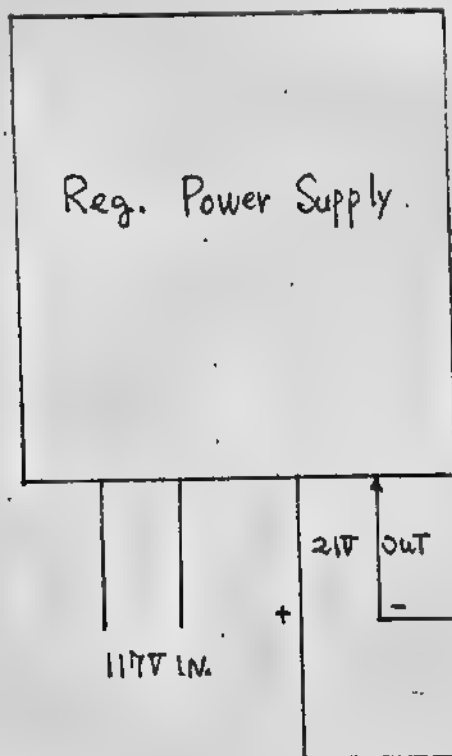
Keying

RED

VIDEO  
SYNCH

Spare





Power Supply



Subcar.

Burst

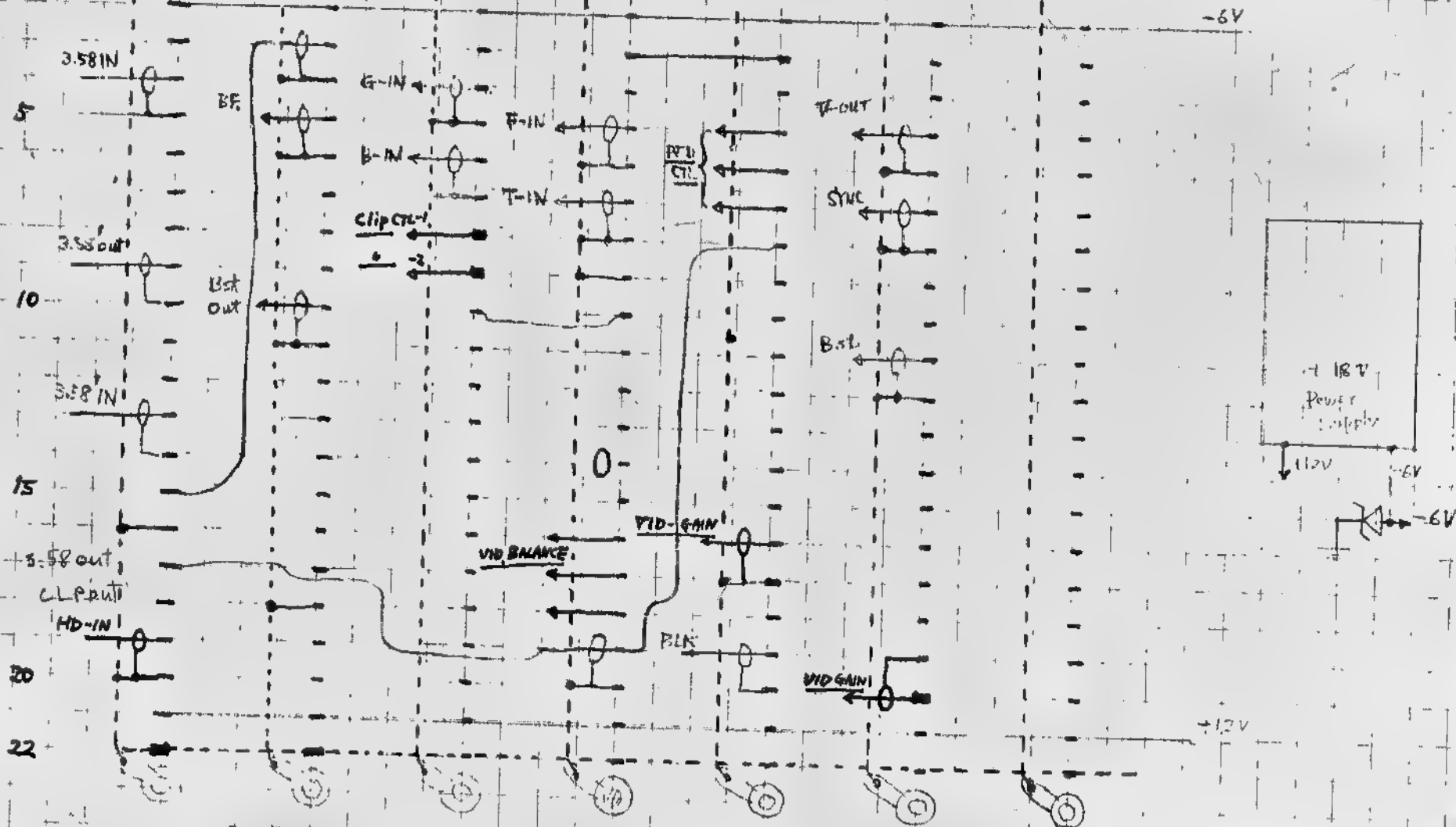
Gate Pulse

Keying

RED

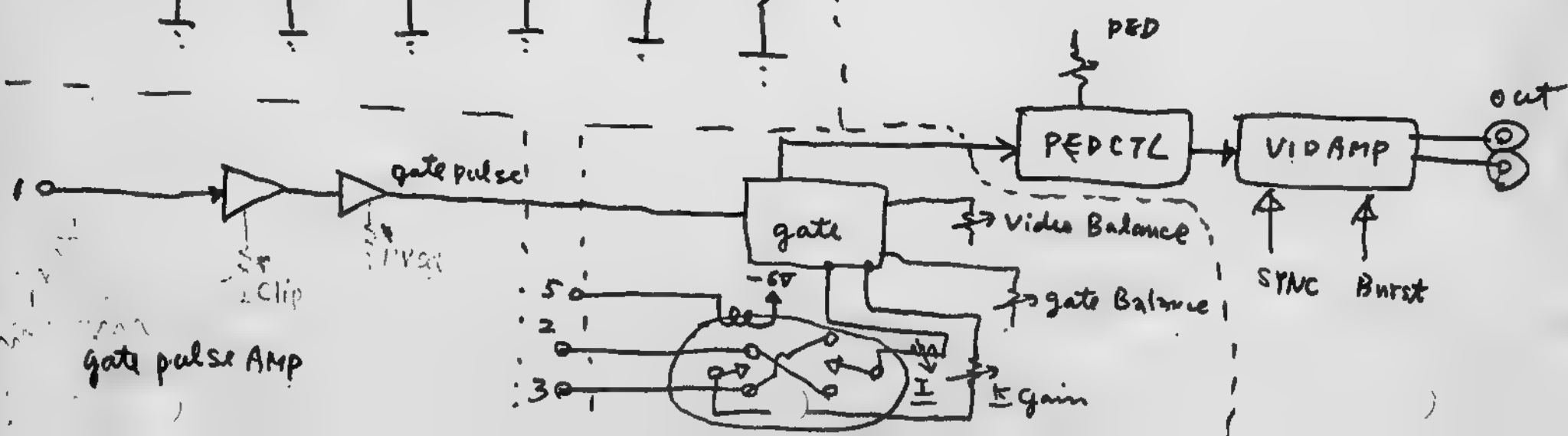
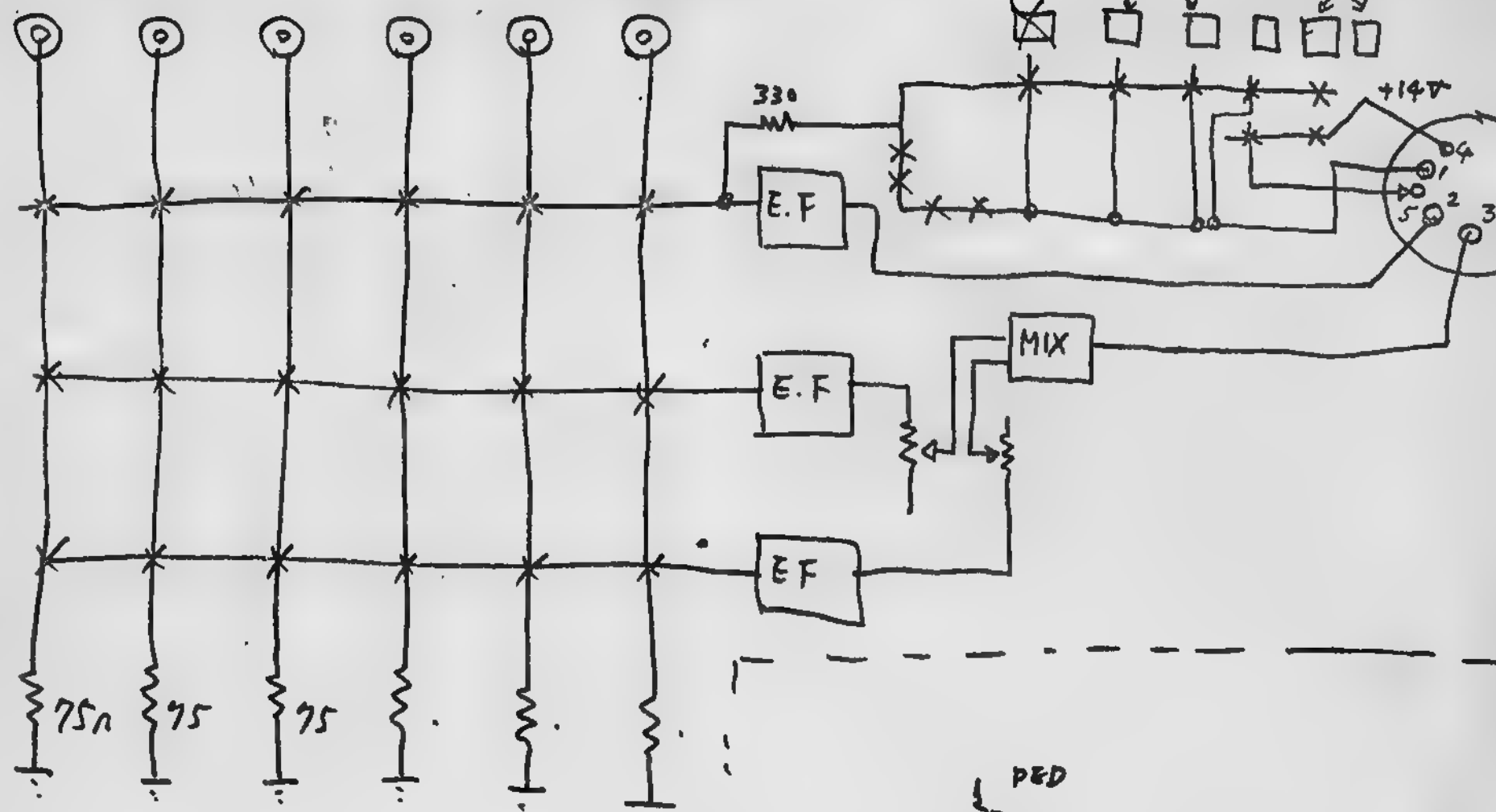
VIDEO  
& SYNC

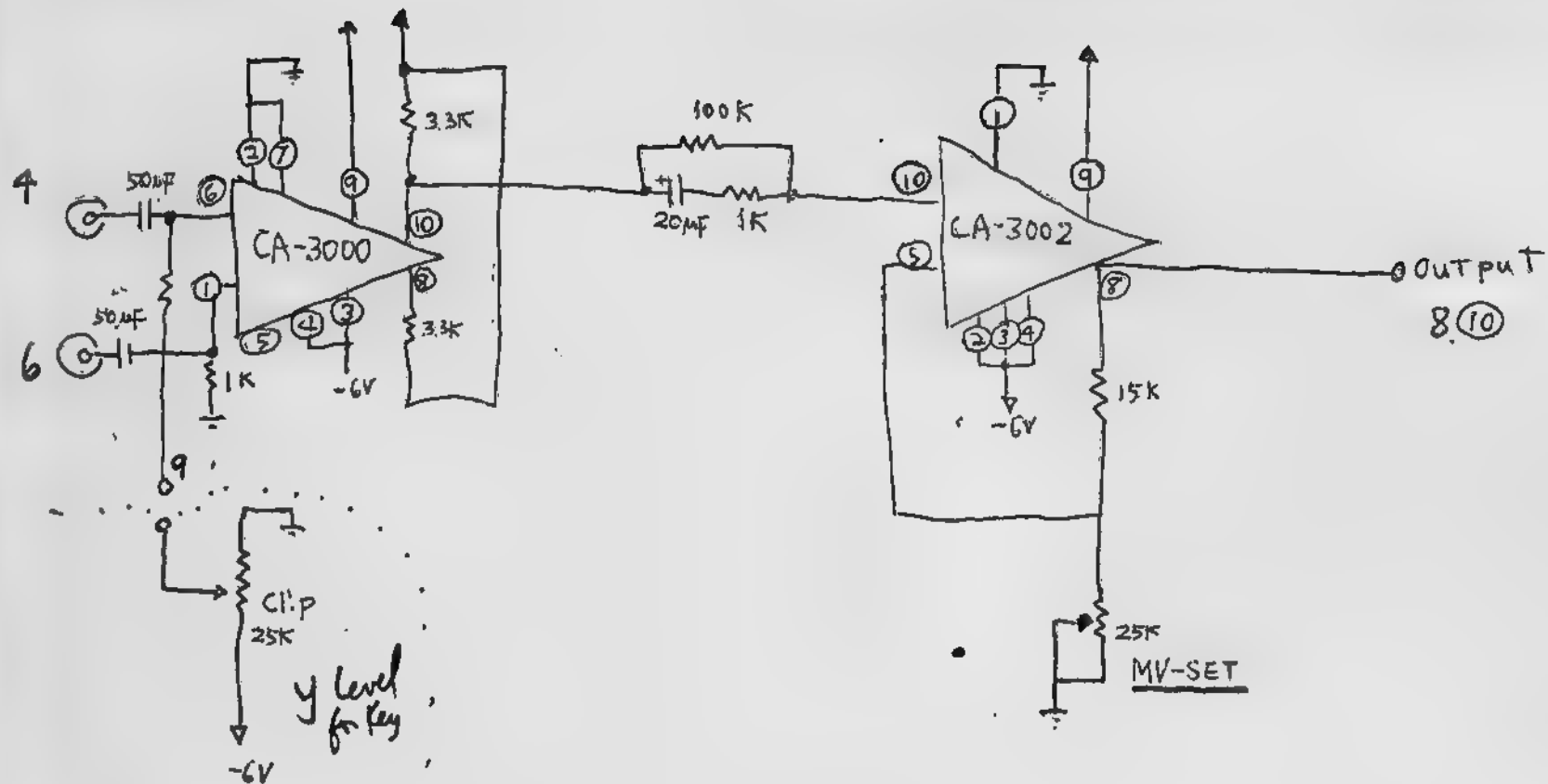
Spare



RE ter Switch board

input

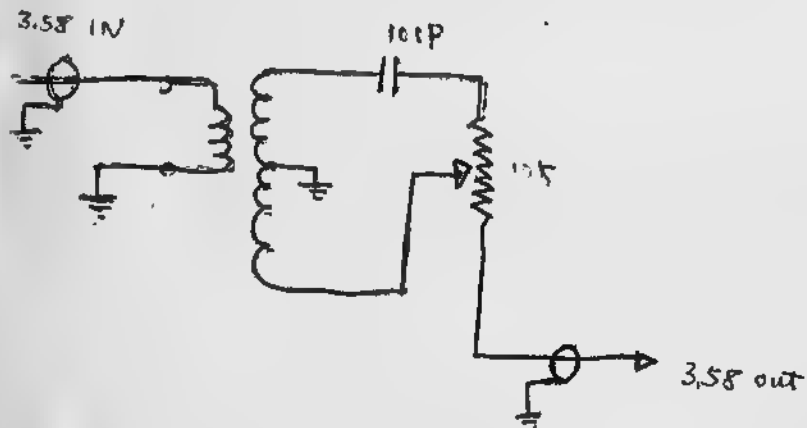
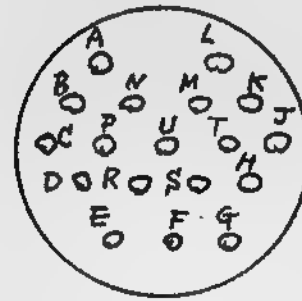




GATE Pulse Amp

CTC P1101

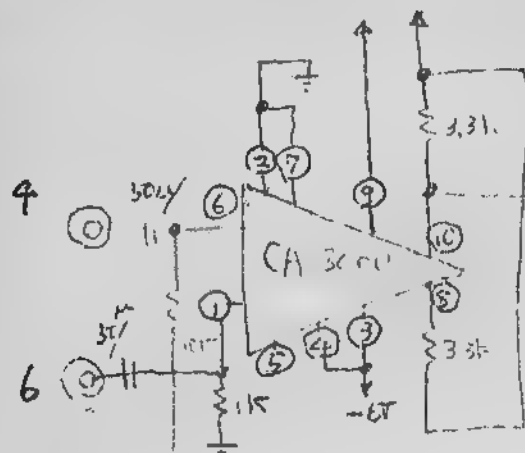
A + 12V  
 B - 6V  
 P GND  
 C Rout  
 E WAY SEL vid  
 H F out  
 L T out  
 F GND  
 K



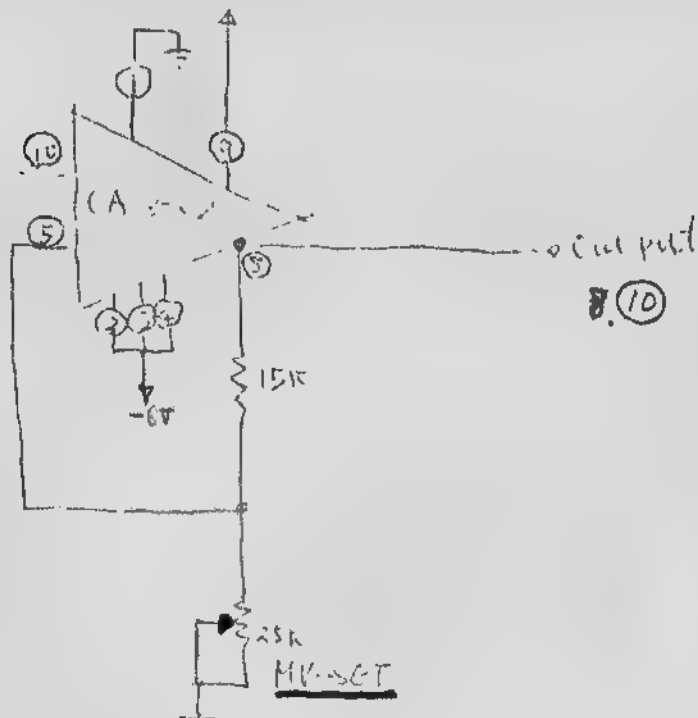
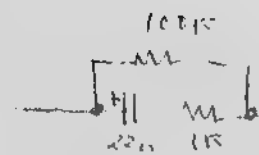
Phase C/L

CONVERTOR Diagram





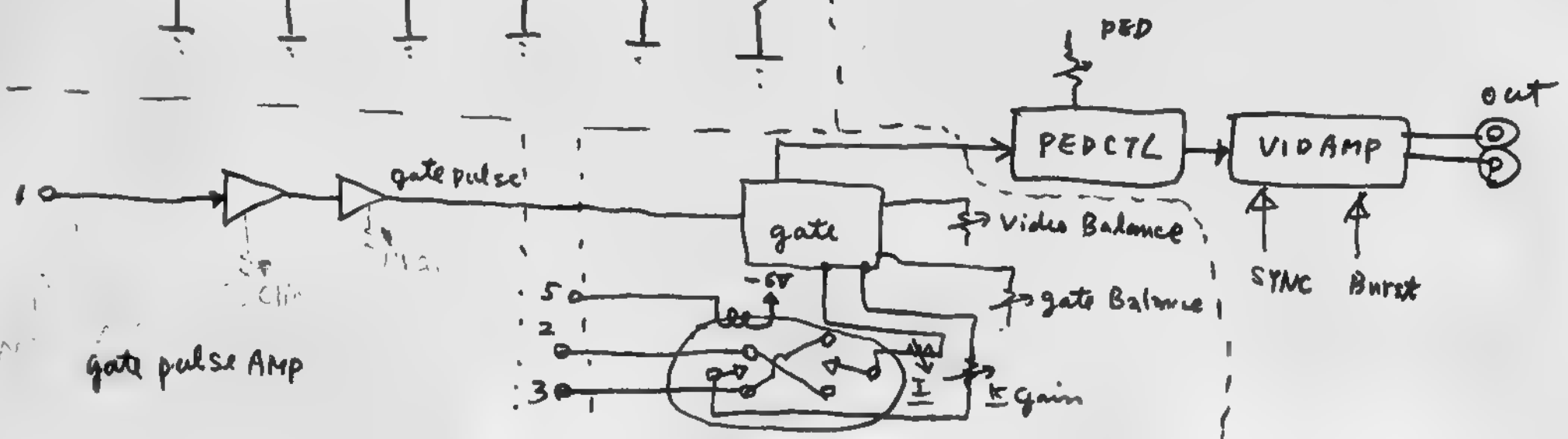
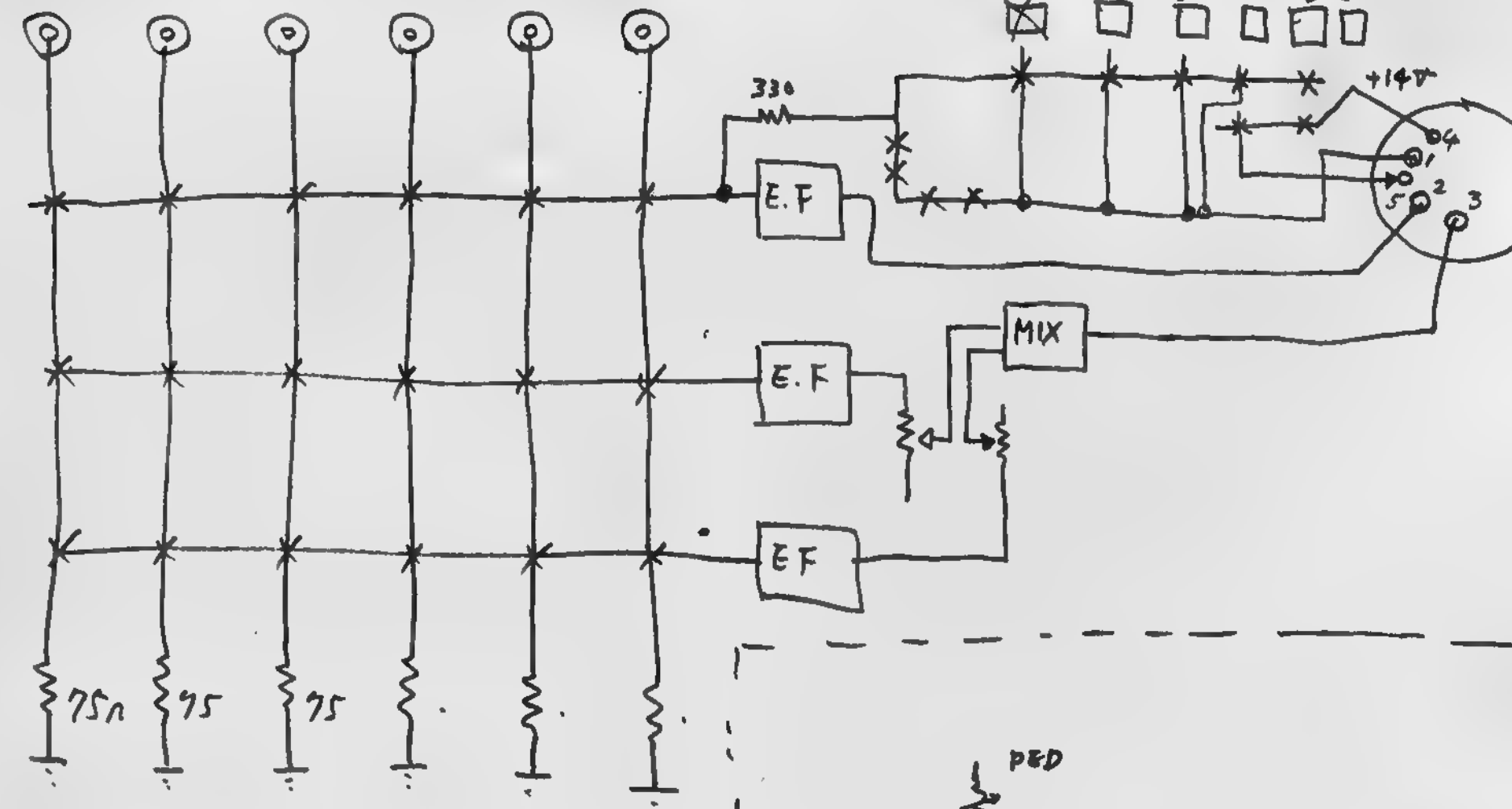
C76 PANEL



GATE RAMP

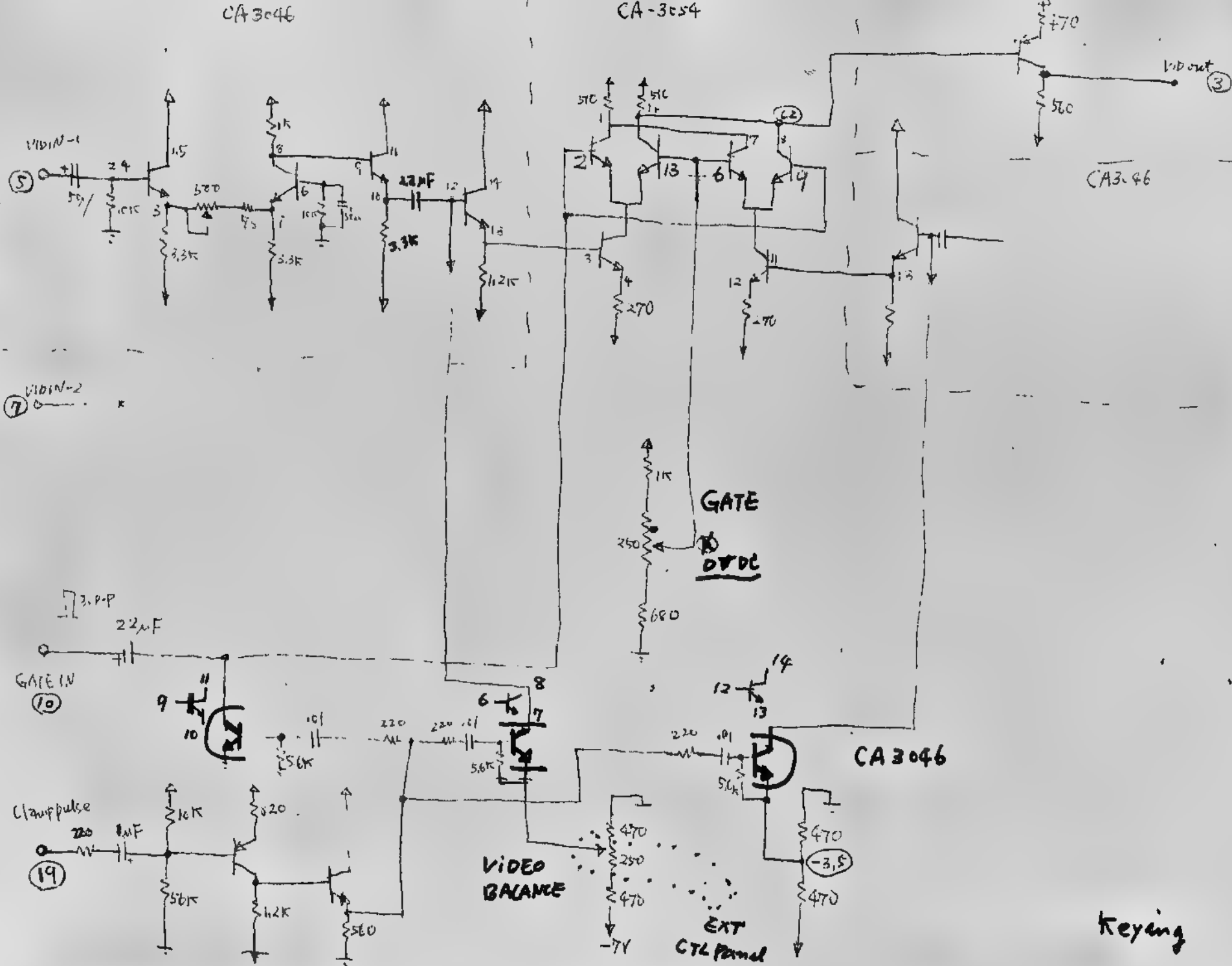
KE Ver Switch board

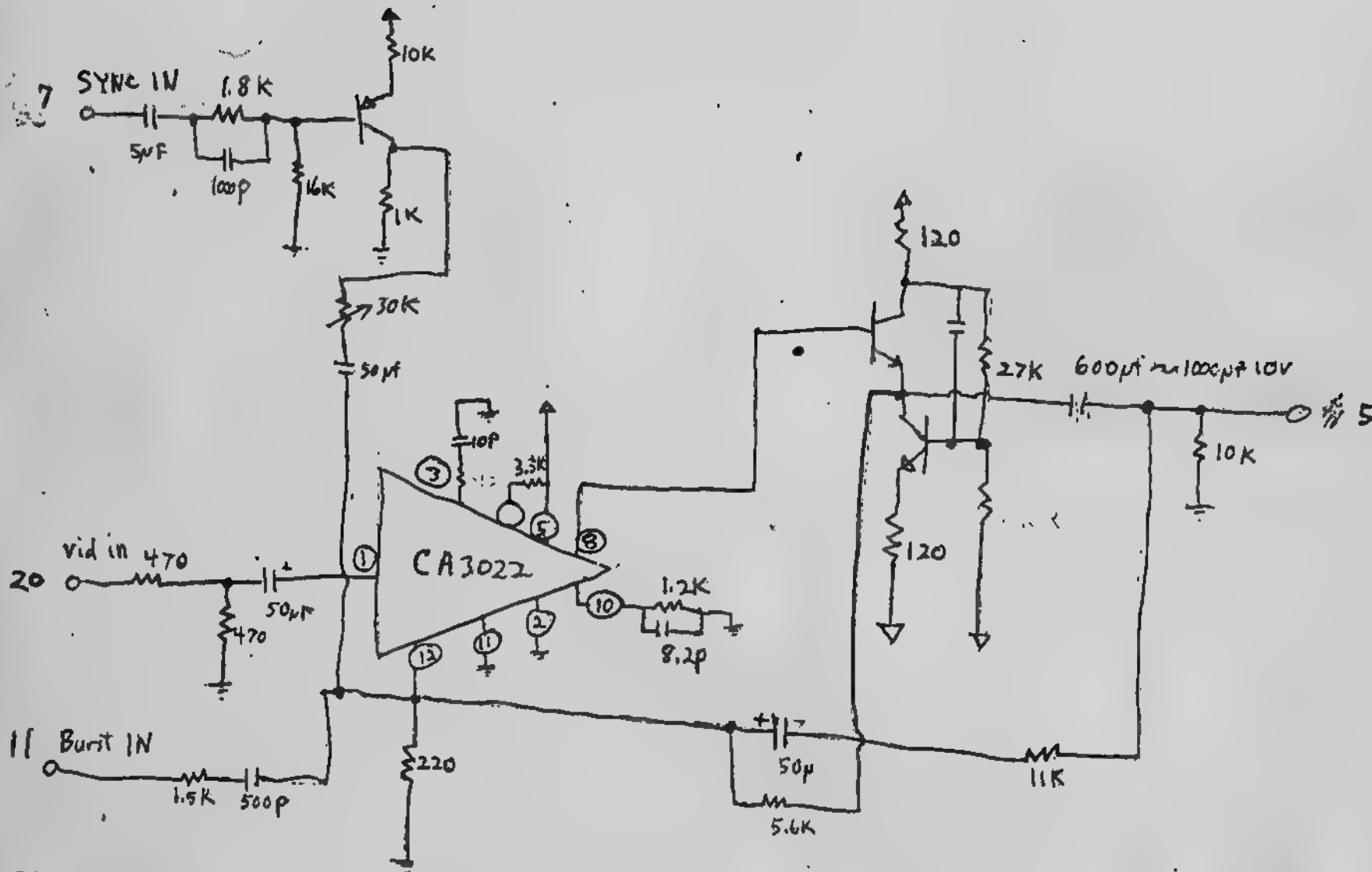
input



CA3046

CA-3054

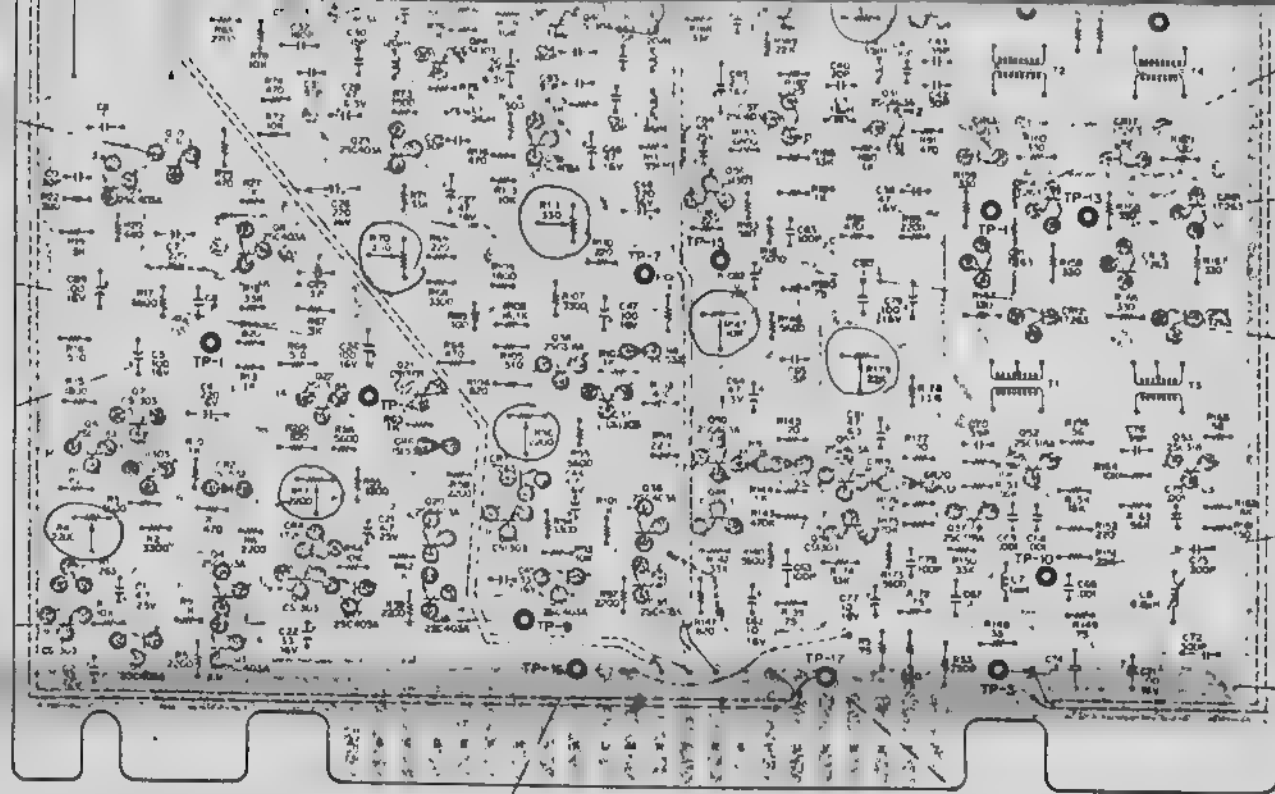




210 +12V

220



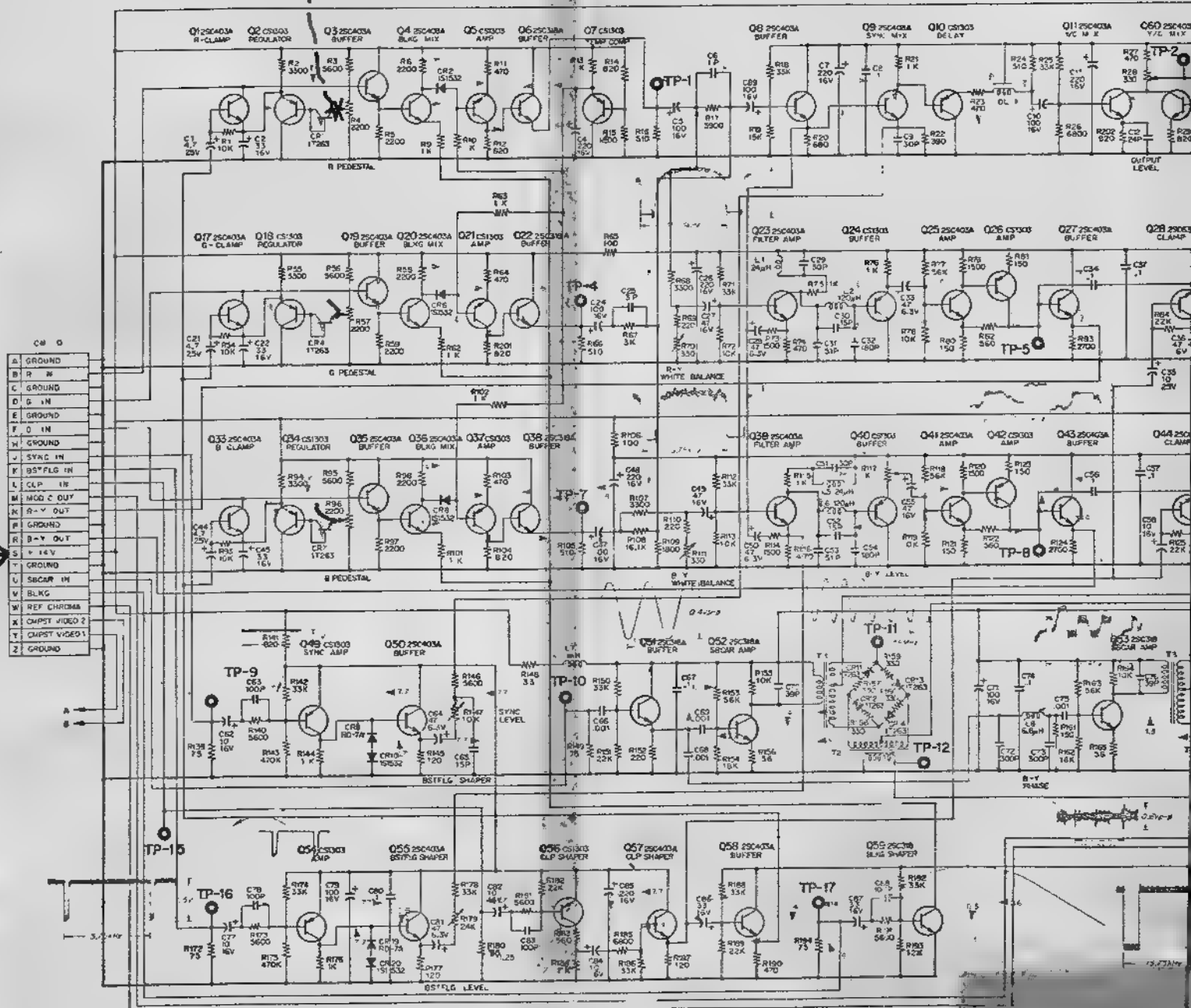
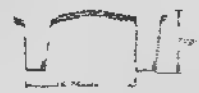


VU-5000  
N 1000/100

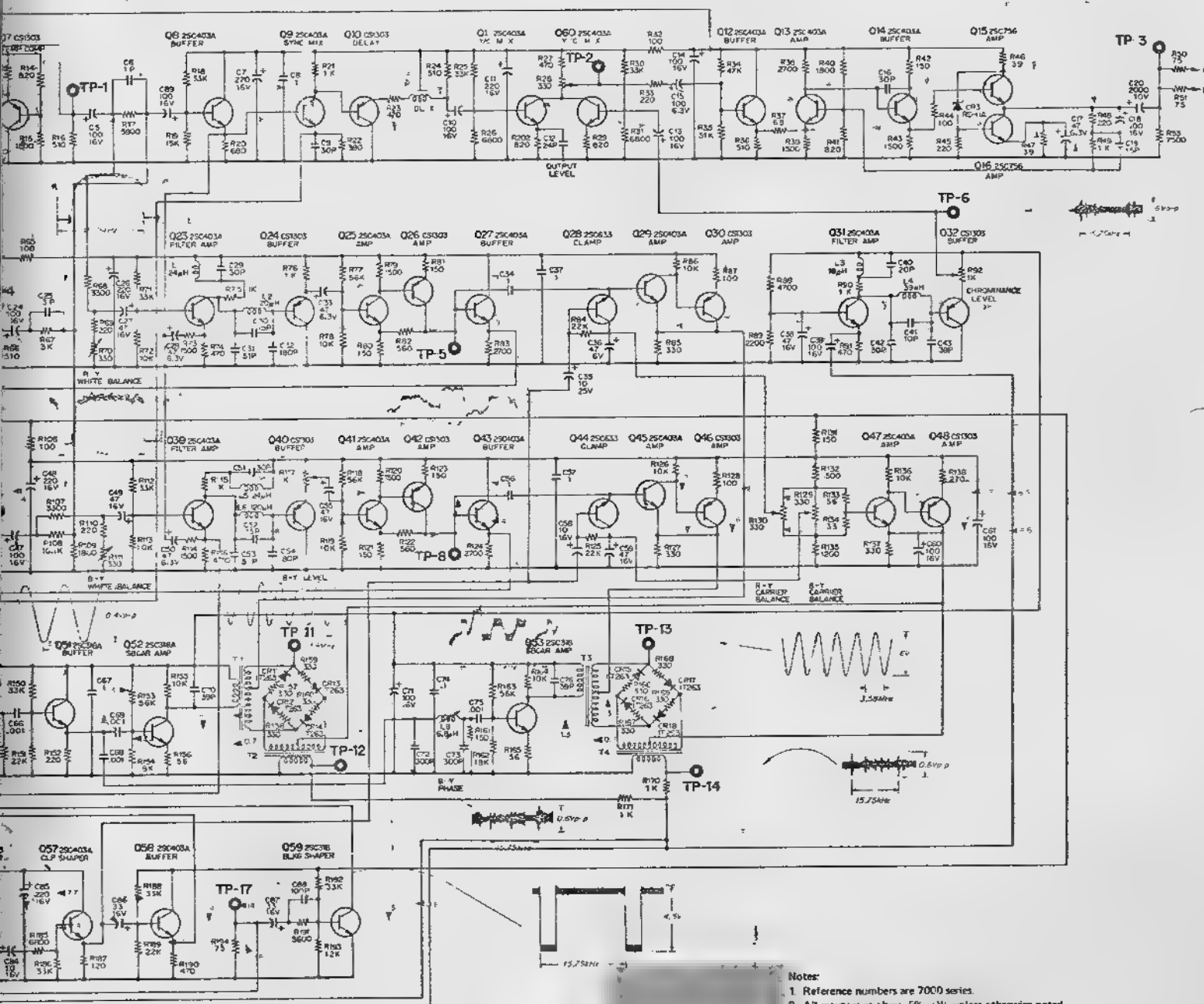


V 10/100  
N 1000/100

Note  
Printed pattern of  
component side  
is shown in gray.

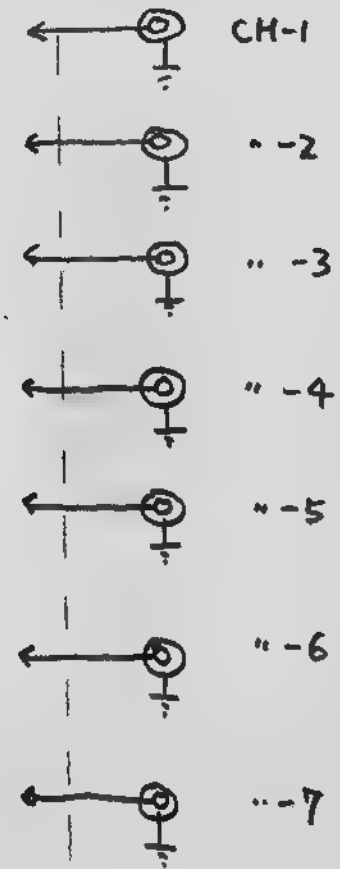
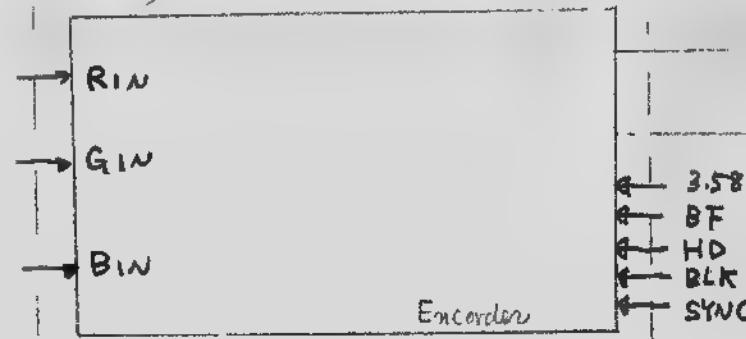
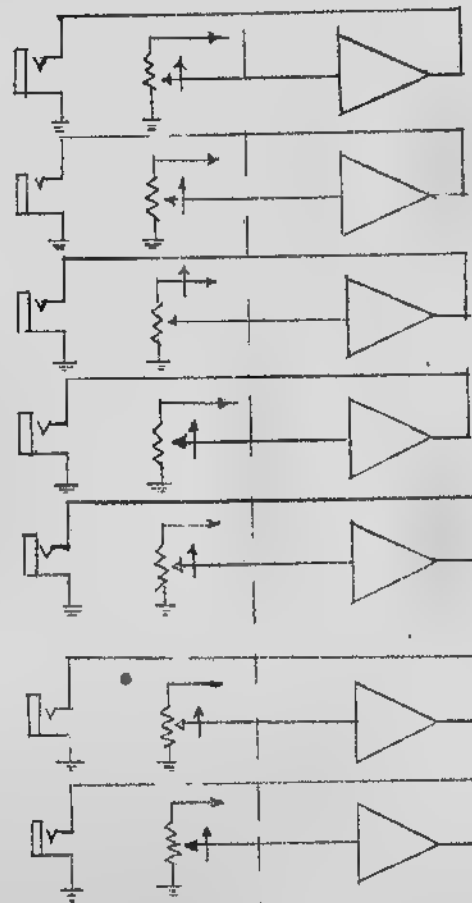
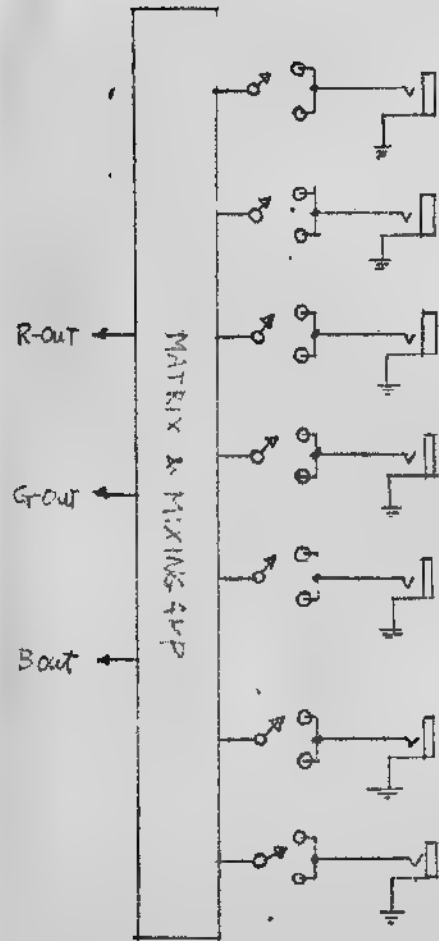


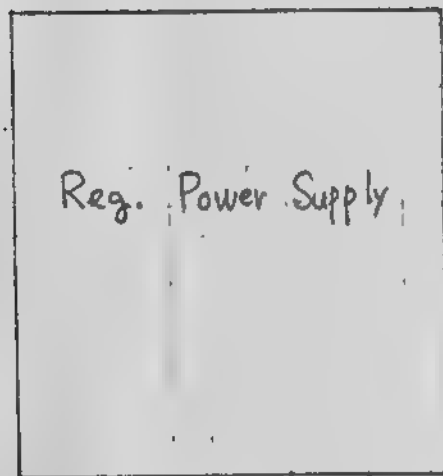
## 6-12. ENCODER



### Notes:

1. Reference numbers are 7000 series.
2. All resistors in ohms, 5%,  $\Delta W$ , unless otherwise noted.
3. All capacitors in  $\mu F$  unless otherwise noted.
4. The blue arrow indicates d-c voltage.





117V IN.

21V OUT

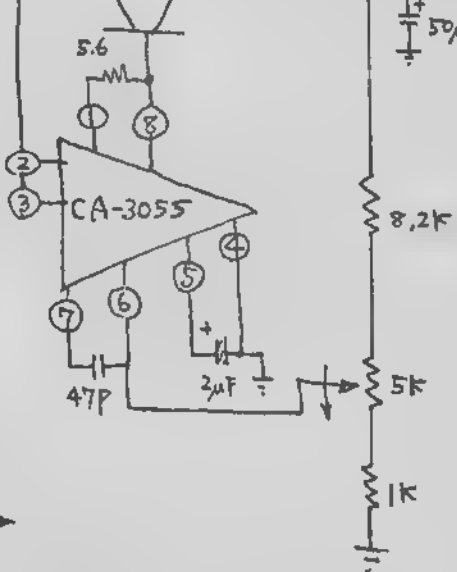
GND 1 0

6V 10W ZENER DIODE.



+15V 12 0

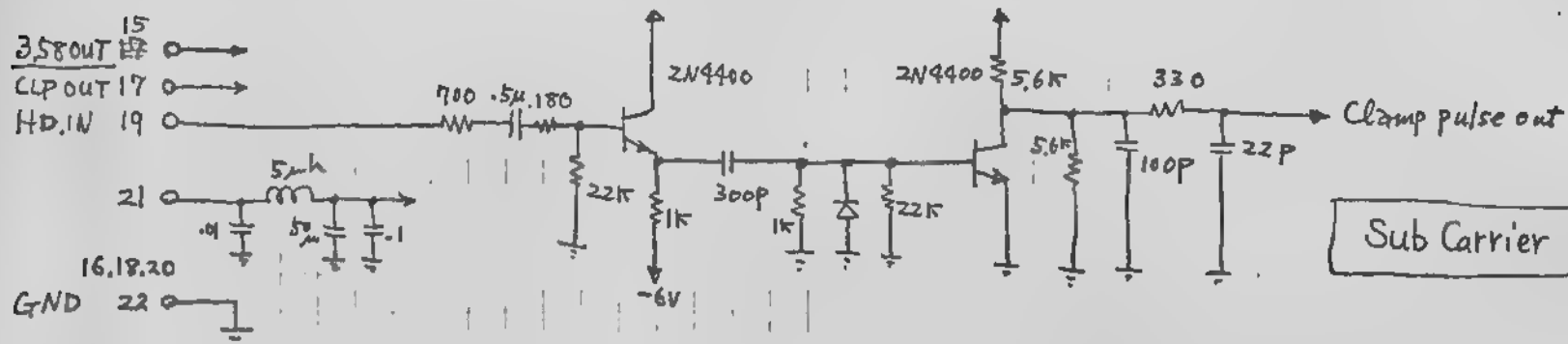
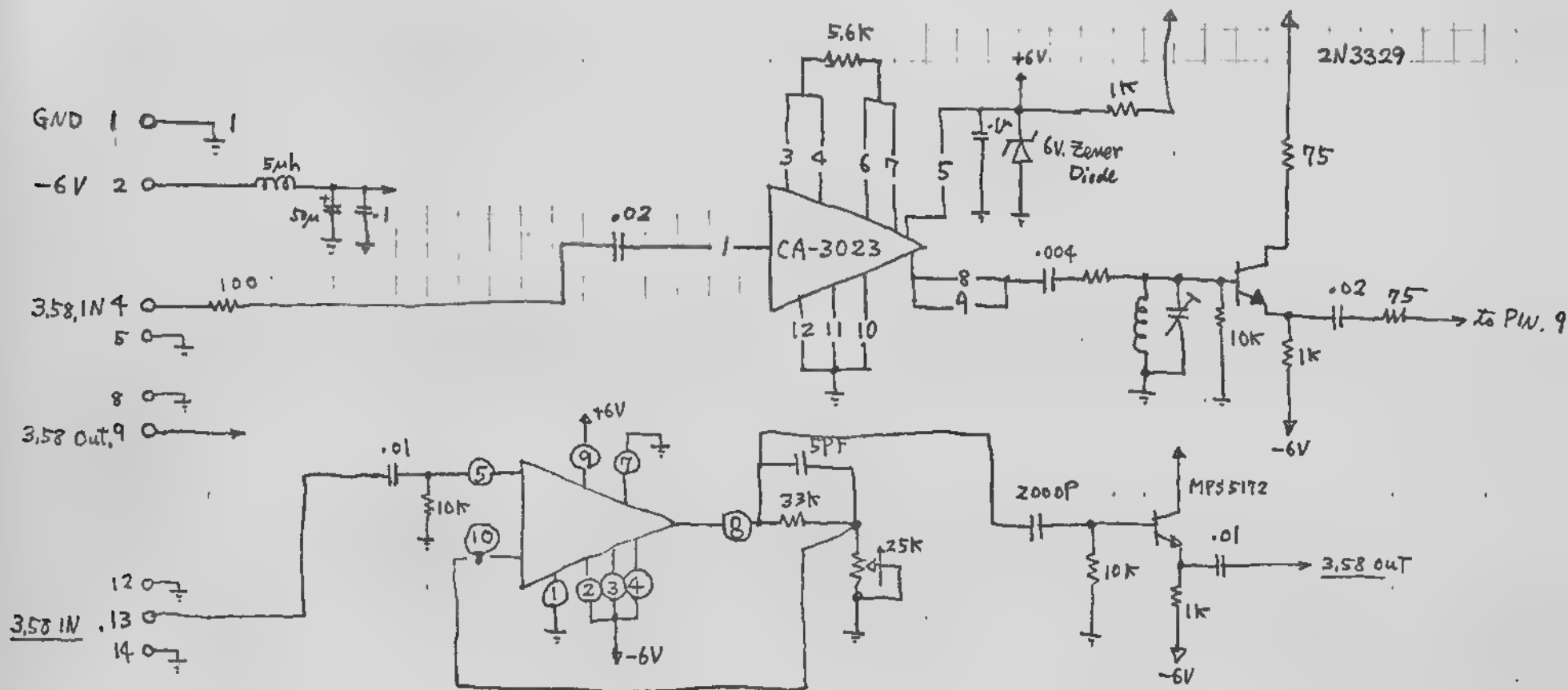
To PIN 22.

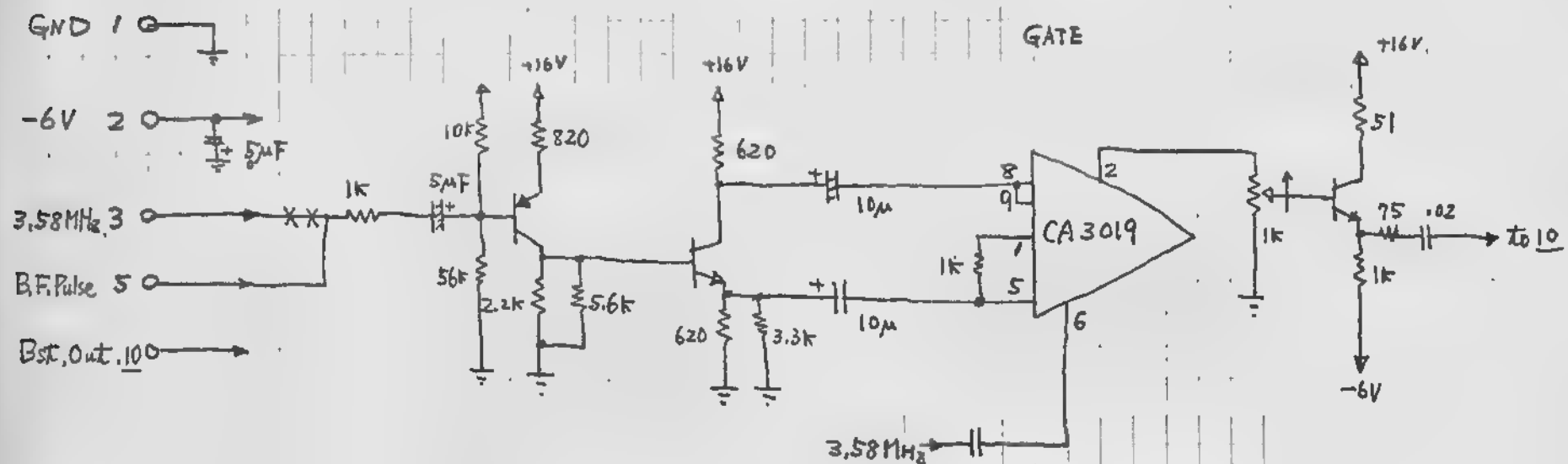


+12V 28 0

GND 22 0

Power Supply

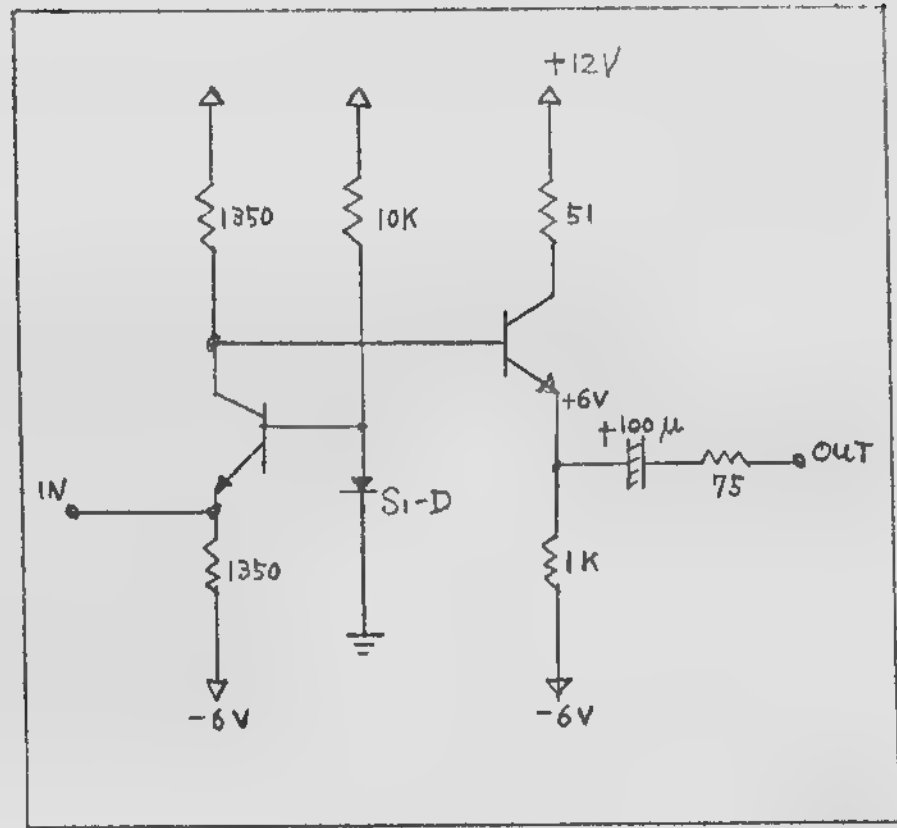
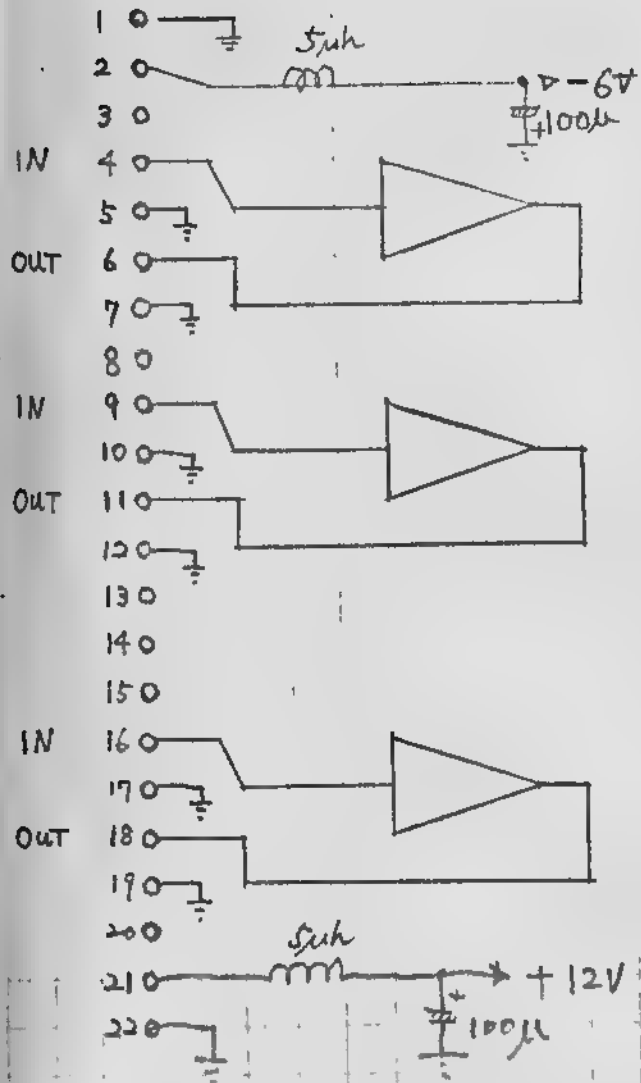




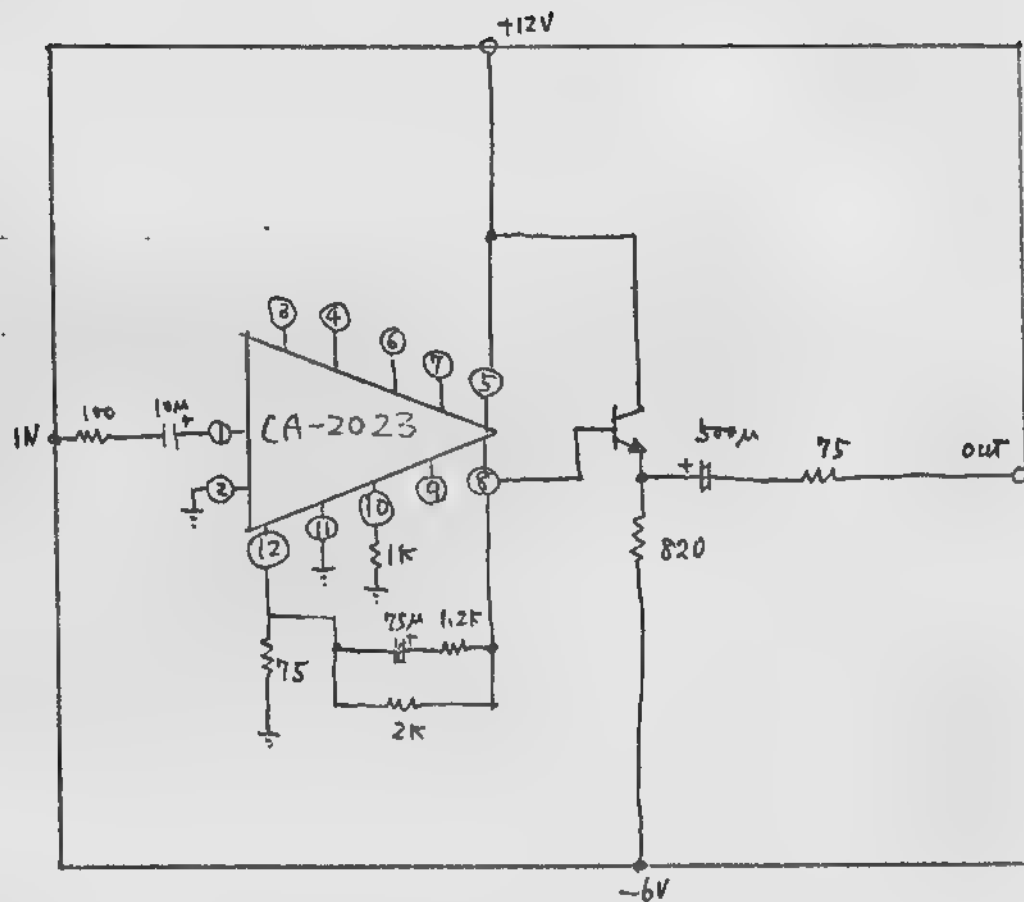
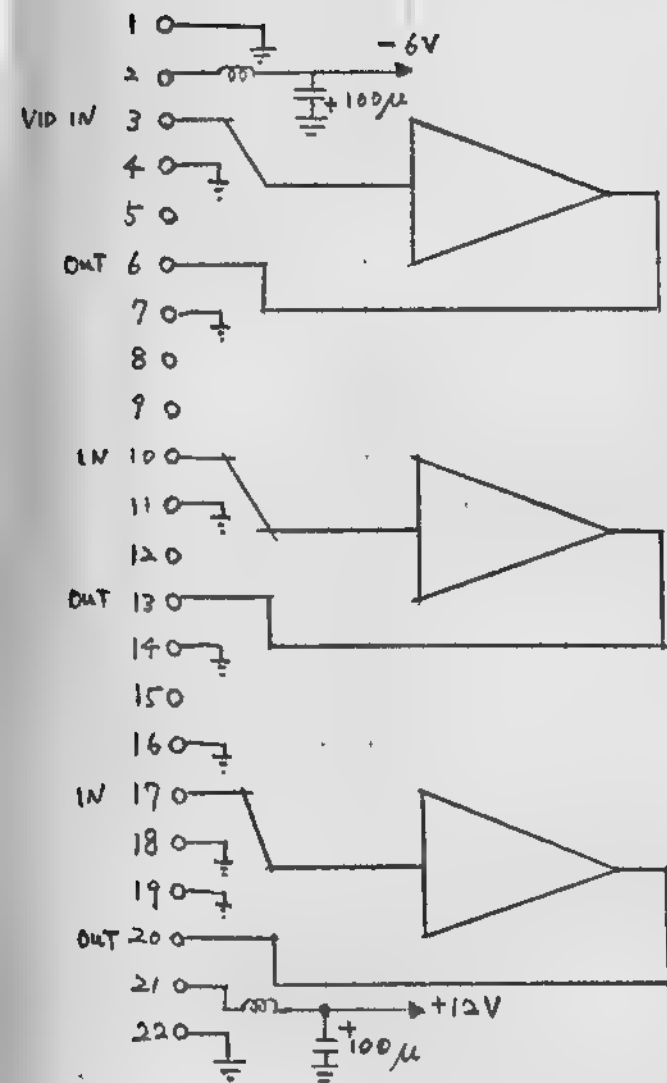
Burst Generator



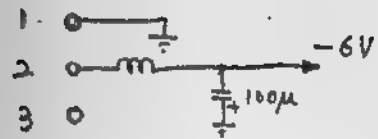




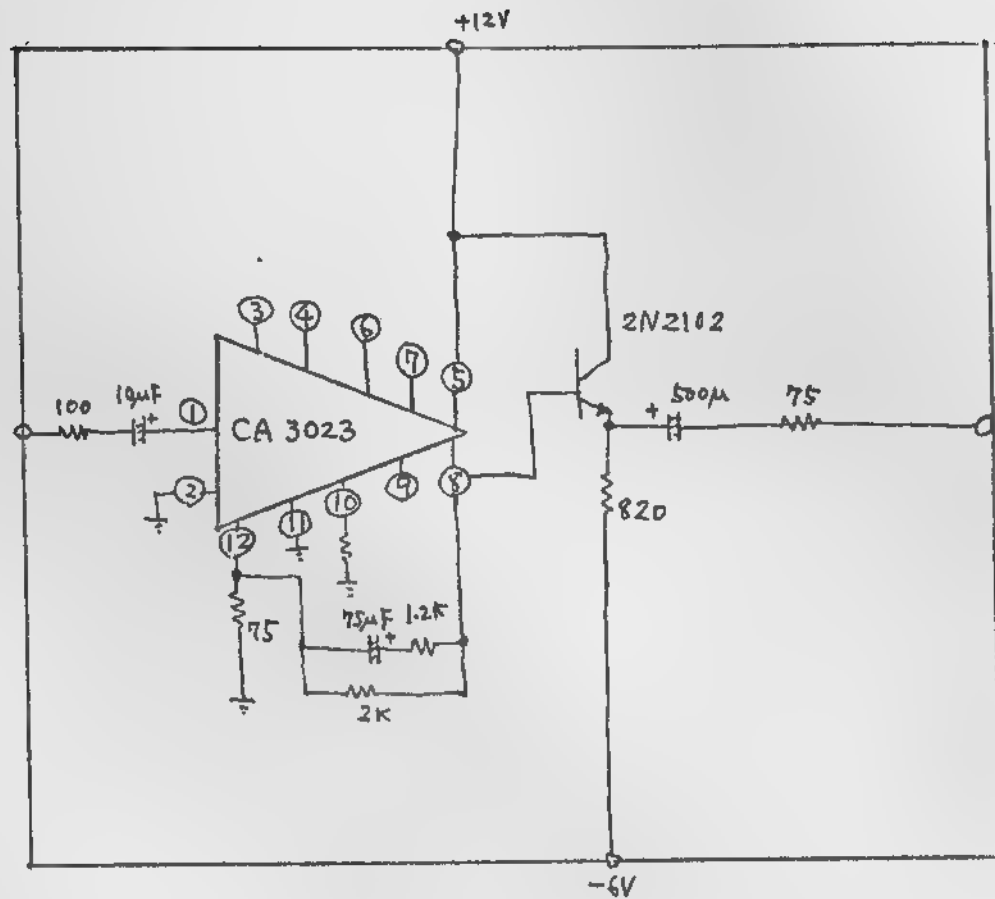
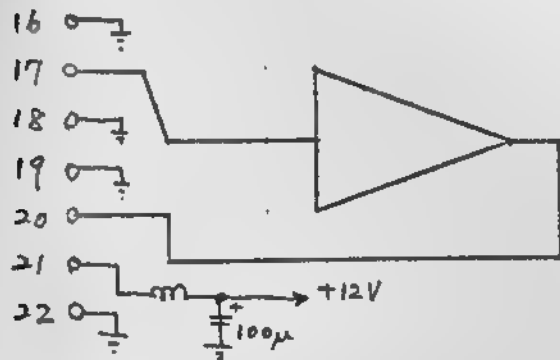
Mixing Amp



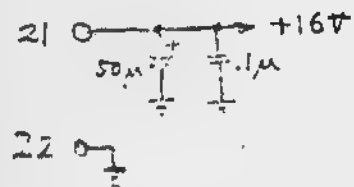
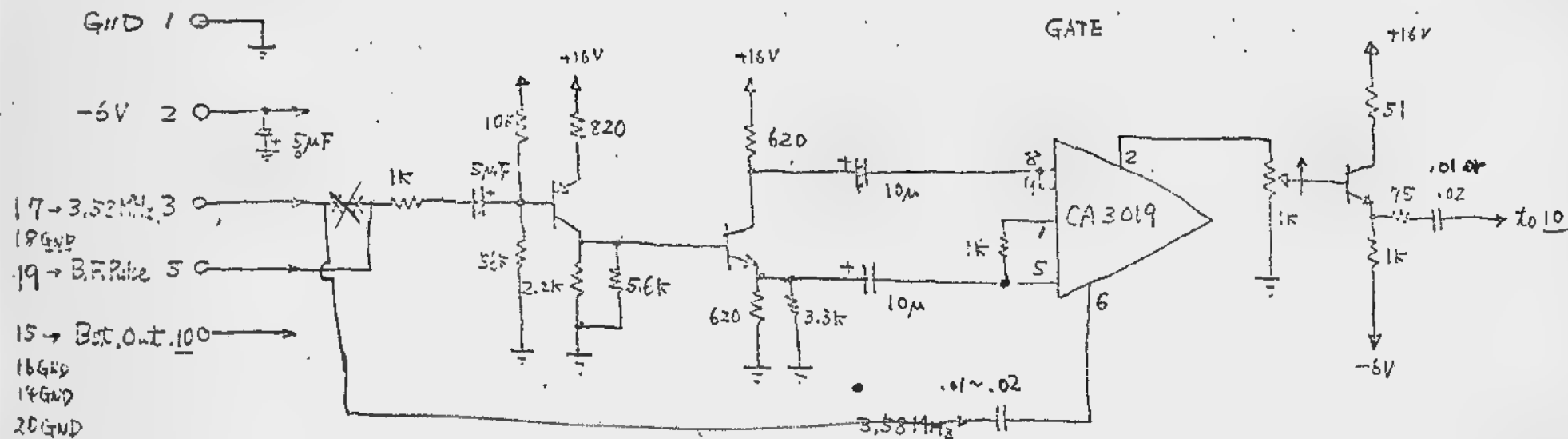
Amp.



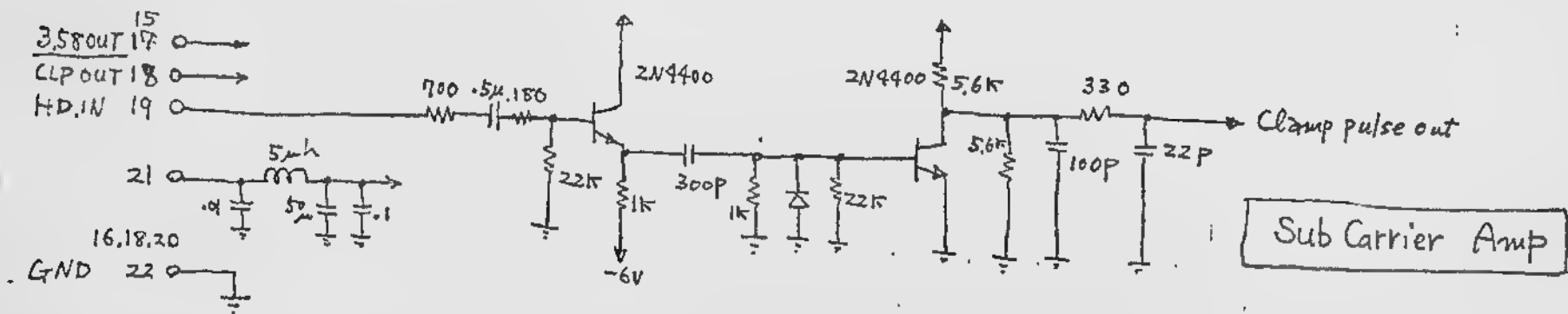
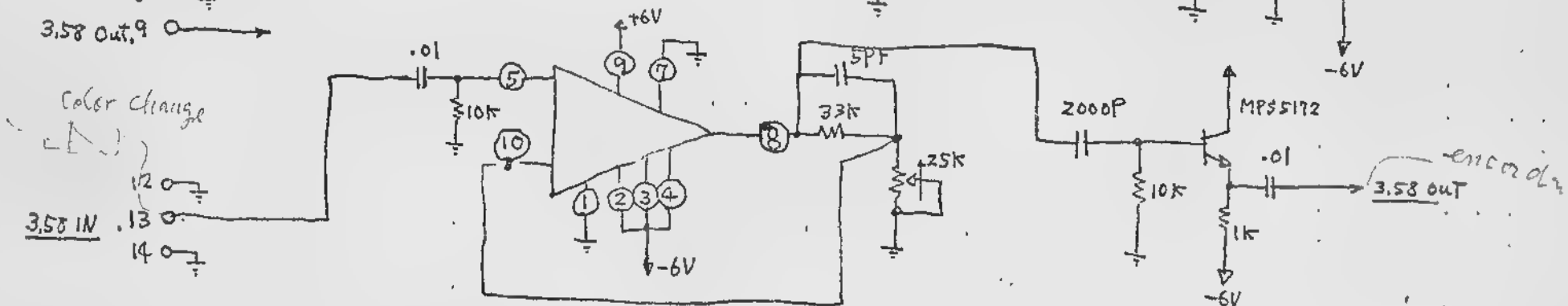
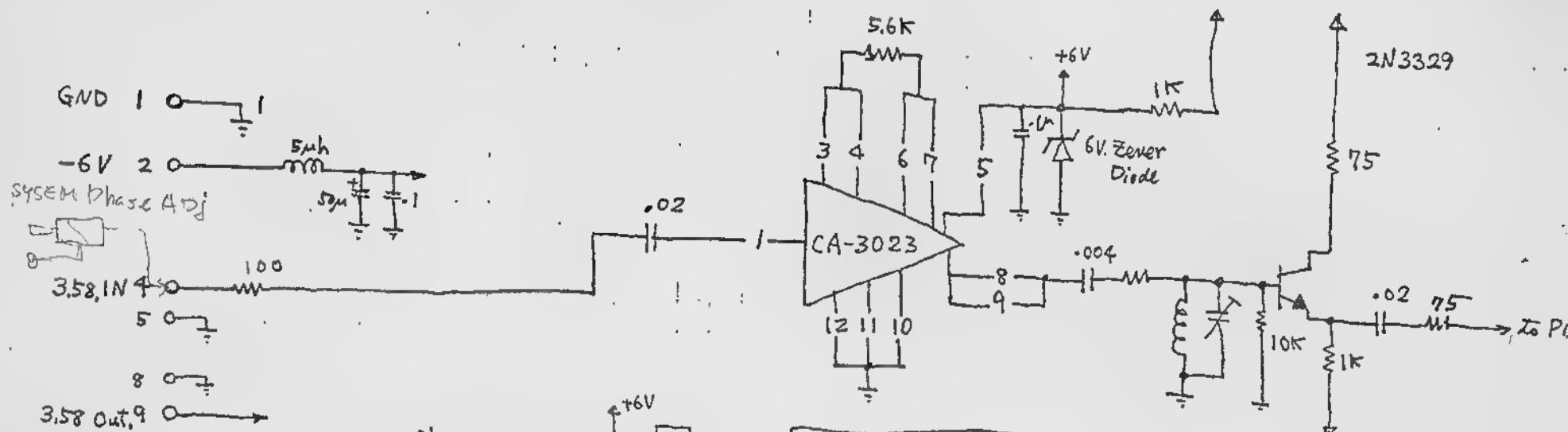
- 3 0
- 4 0
- 5 0
- 6 0
- 7 0
- 8 0
- 9 0
- 10 0
- 11 0
- 12 0
- 13 0
- 14 0
- 15 0



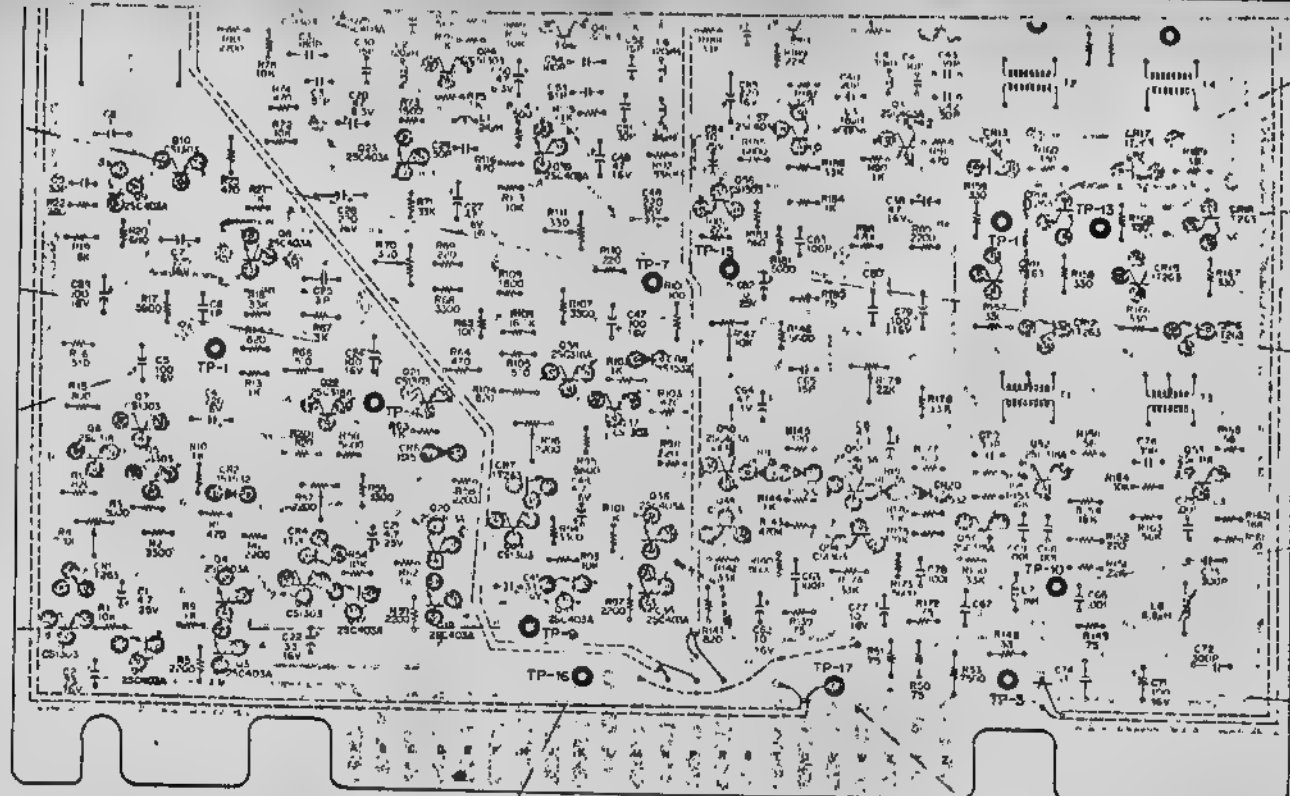
Amp.



Burst Generator







Note:  
Printed pattern of  
component side  
is shown in gray

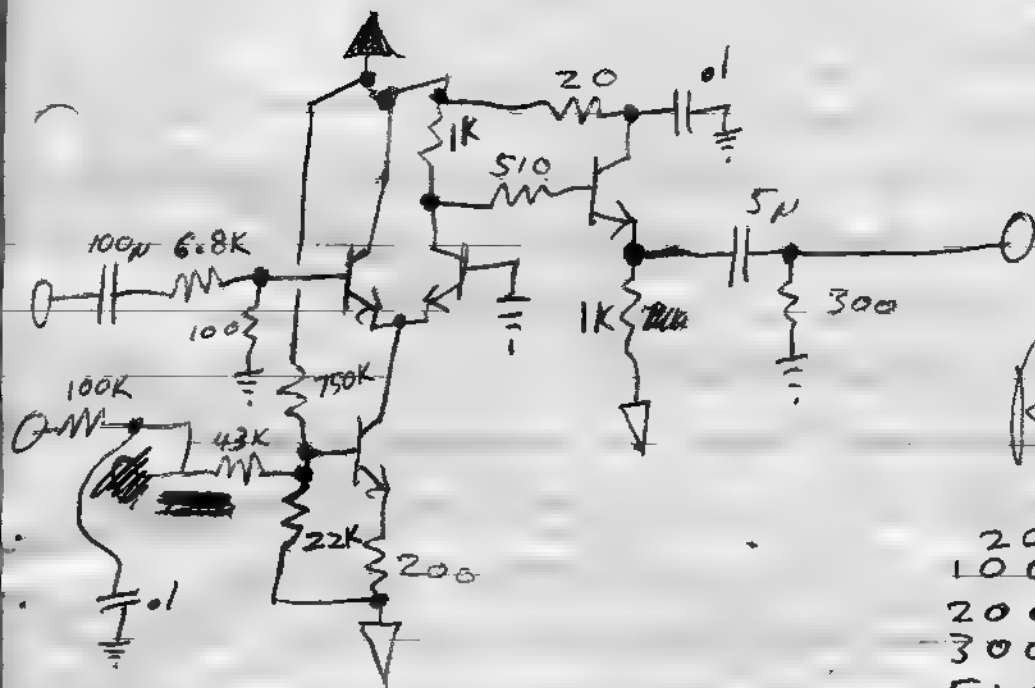
V 0.010m  
H 10.010m

V 0.010m  
H 10.010m



—conductor side—

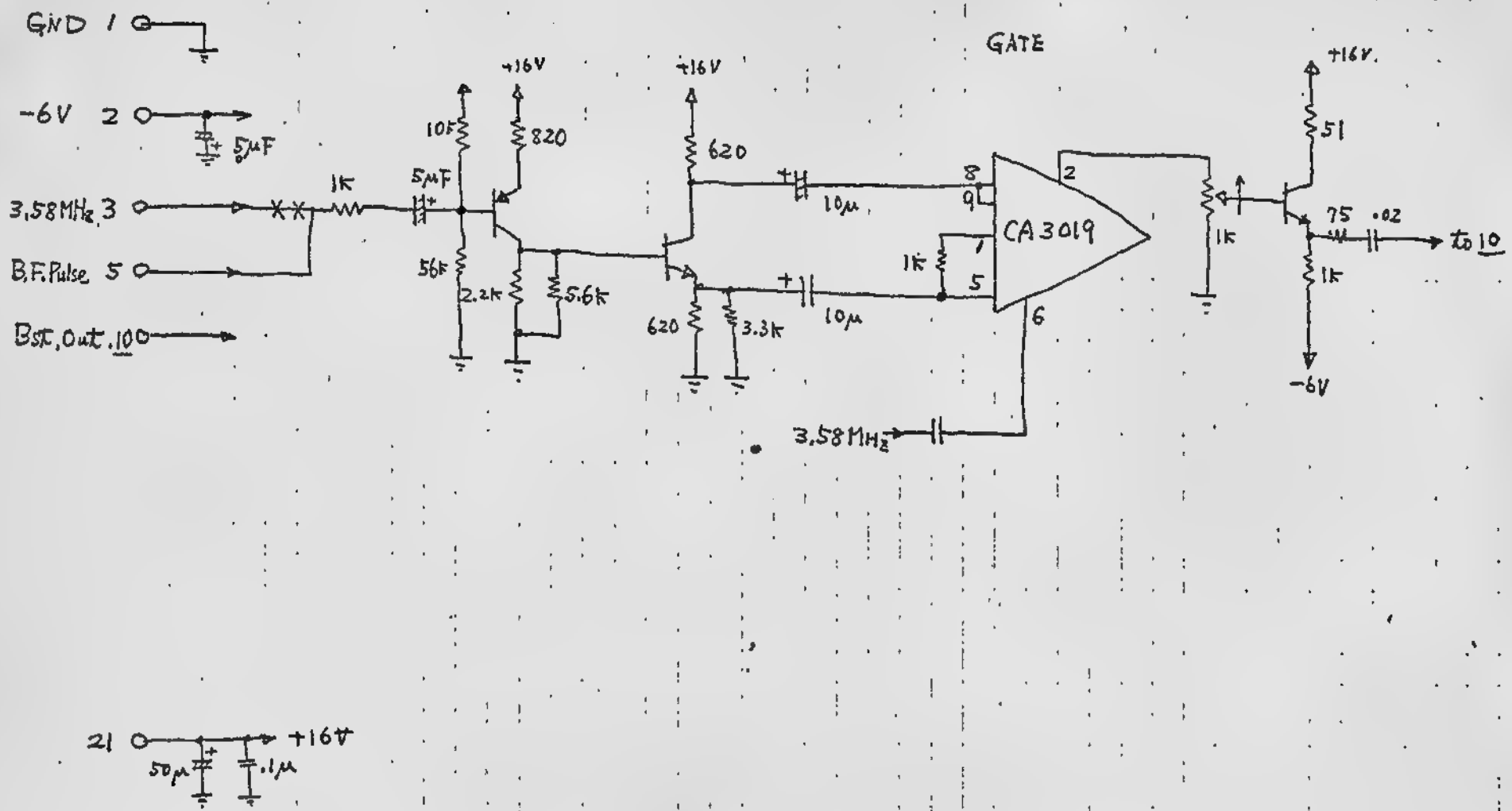




20 — 1  
 100 — 1  
 200 — 1  
 300 — 1  
 510 — 1  
 1K — 2  
 6.8K — 1  
 22K — 1  
 43K — 1  
 100K — 1  
 750K — 1

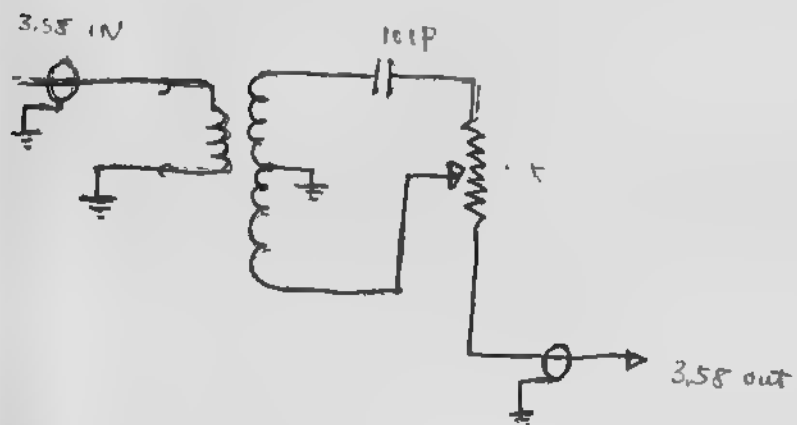
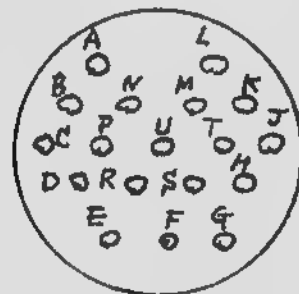
.1 — 2  
 5 — 1  
 100 — 1

PN918-3



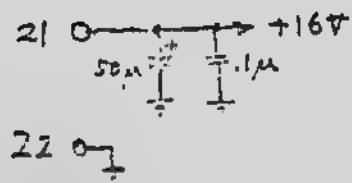
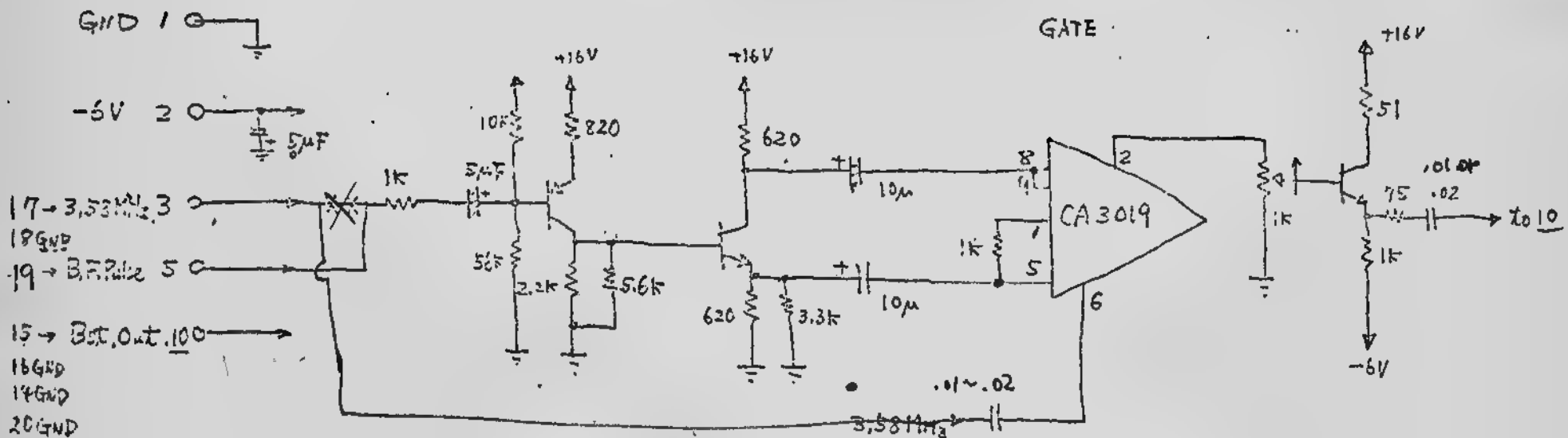
Burst Generator

A + 12V  
 B - 6V  
 P GND  
 C Rout  
 E 100K SEL vid  
 H F out  
 L T out  
 F GND  
 K "

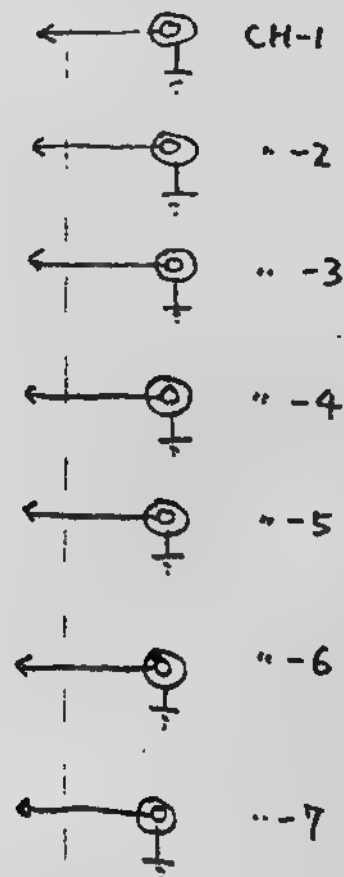
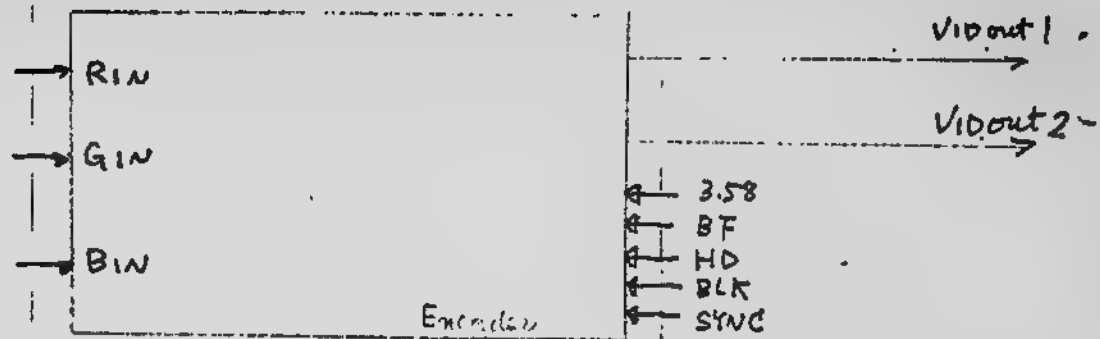
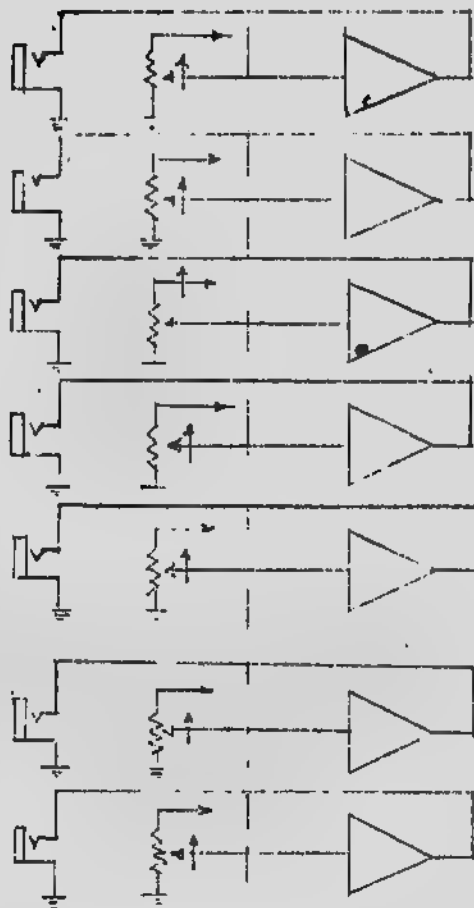
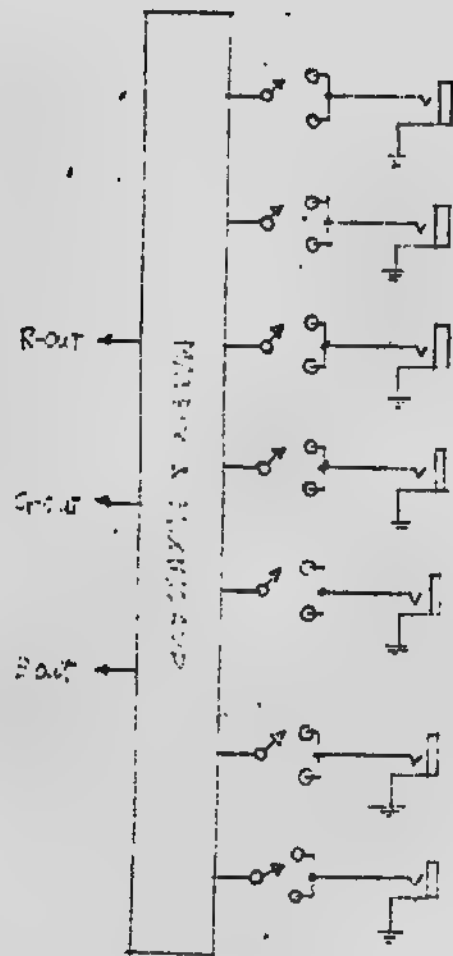


CONVERTOR diagram

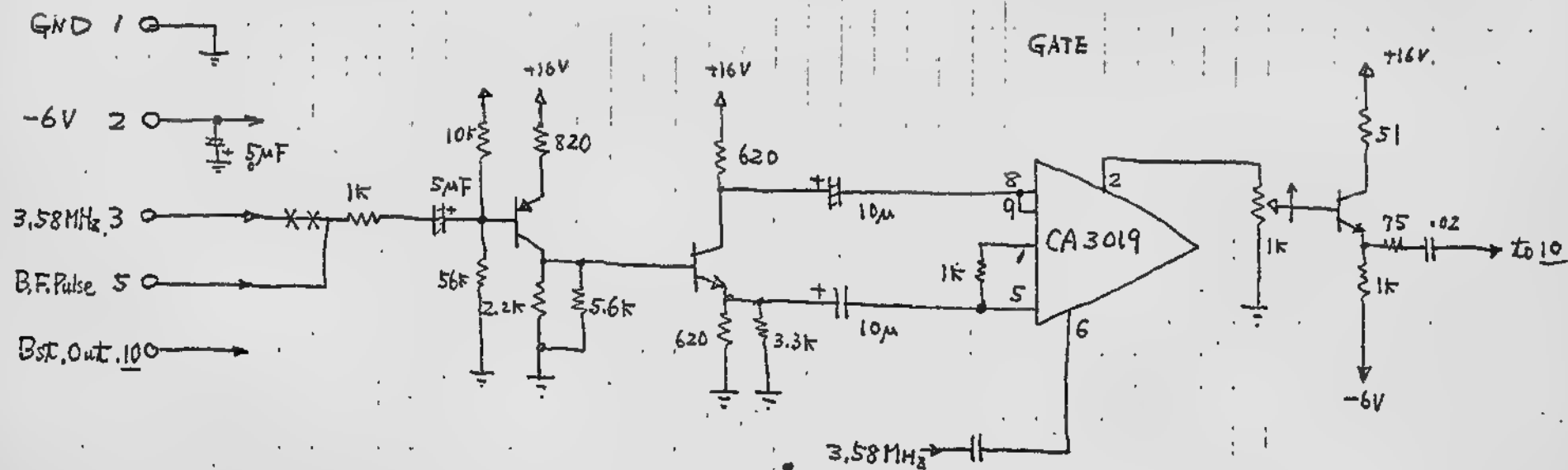
Phase CTL



Burst Generator

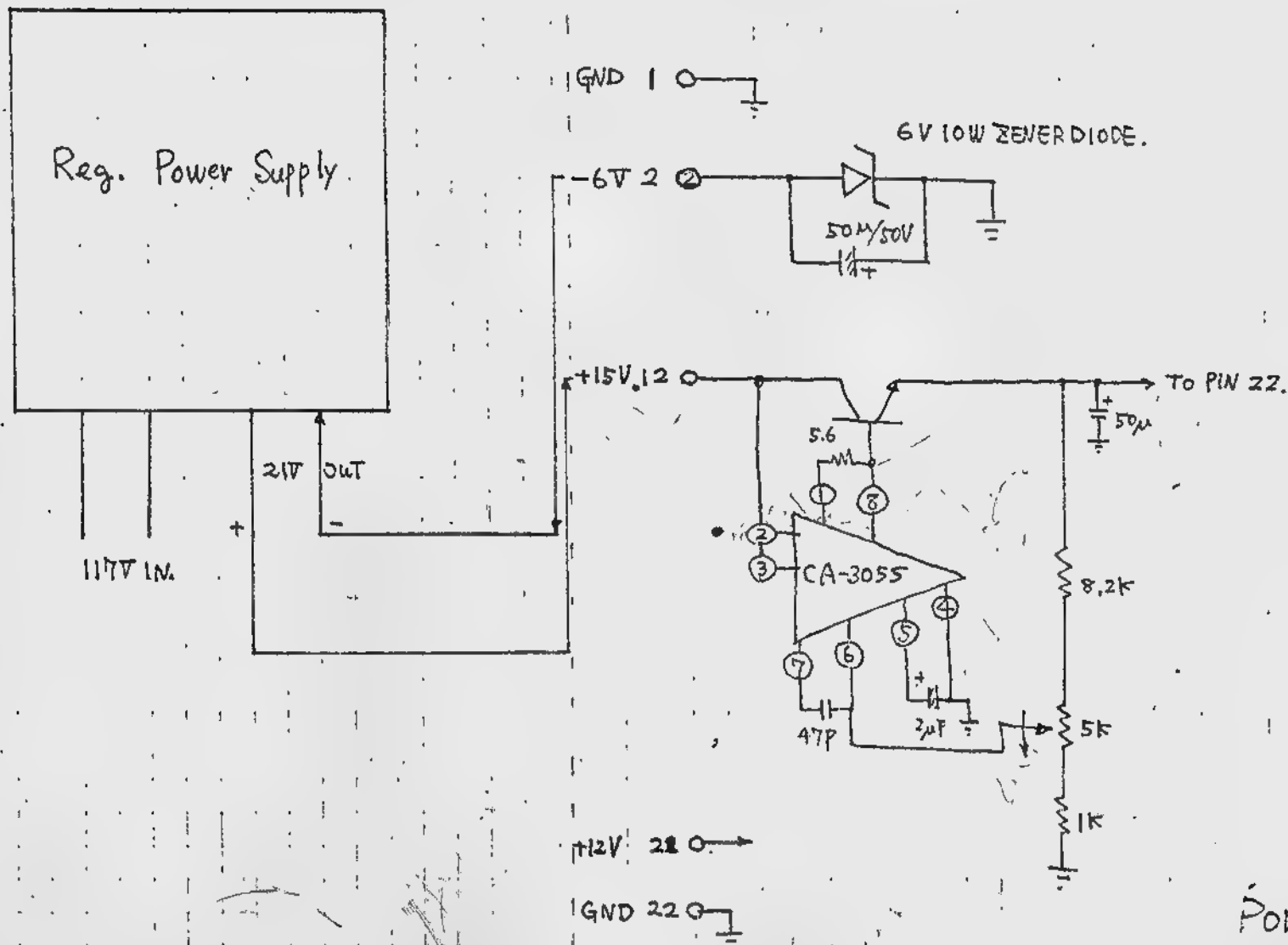




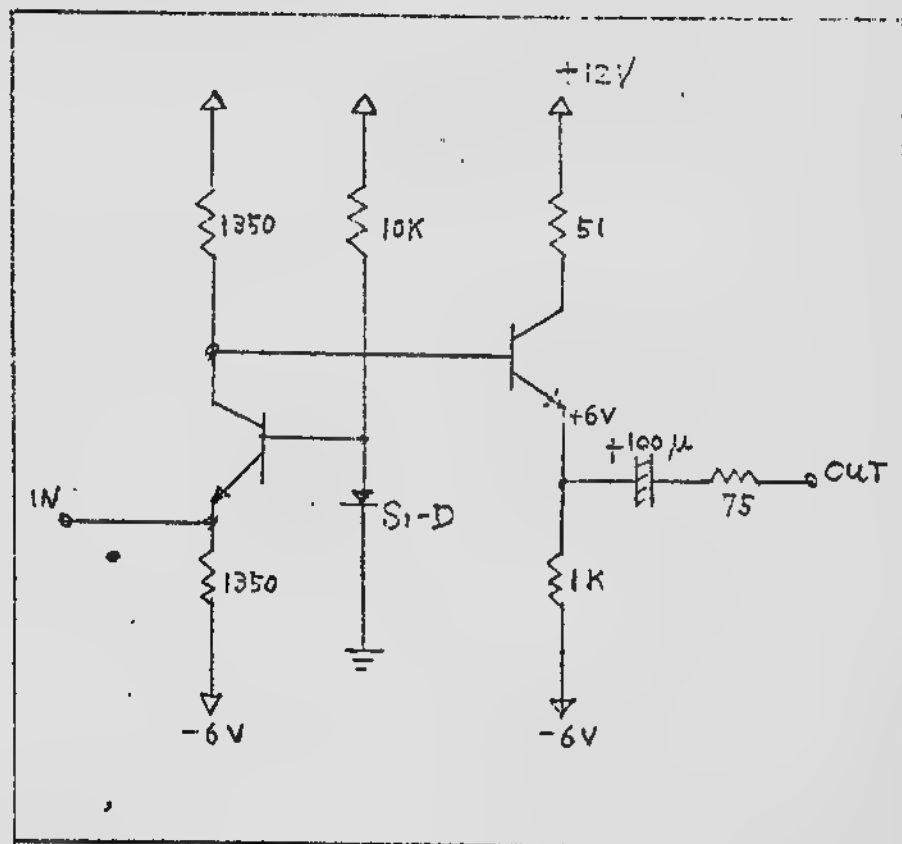
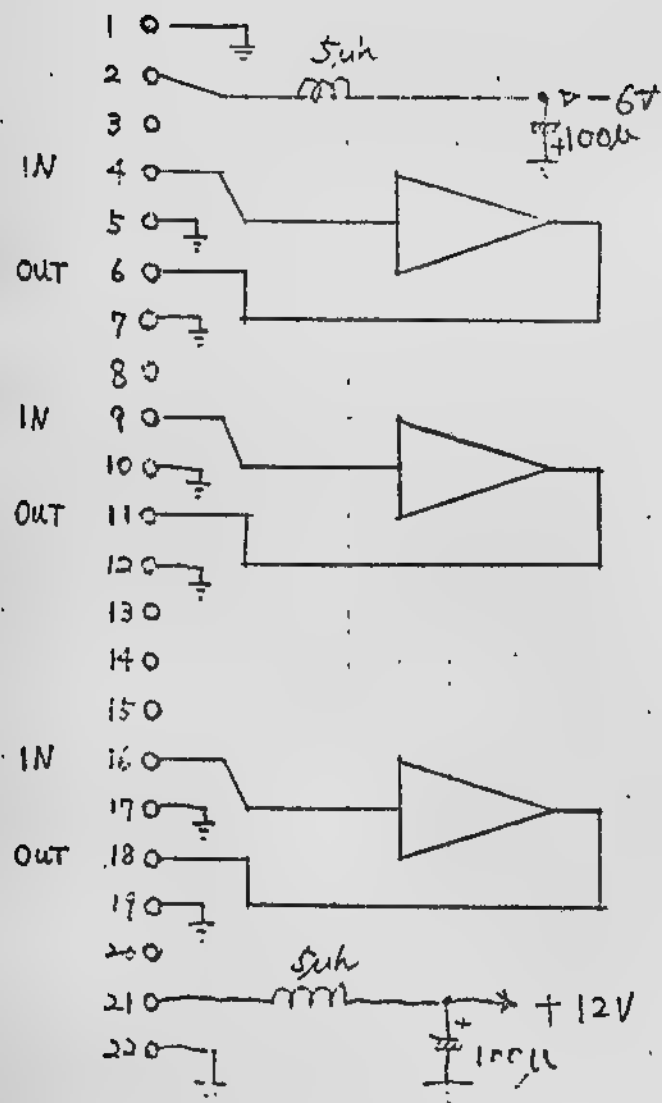


Burst Generator

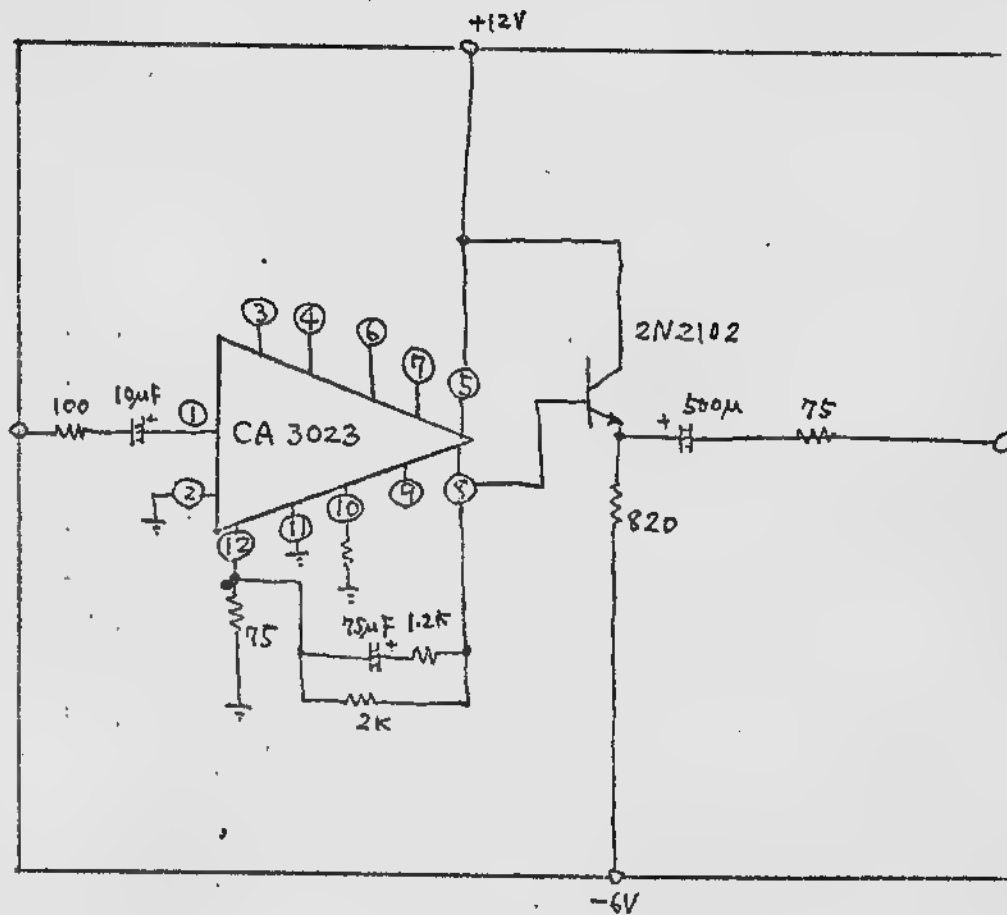
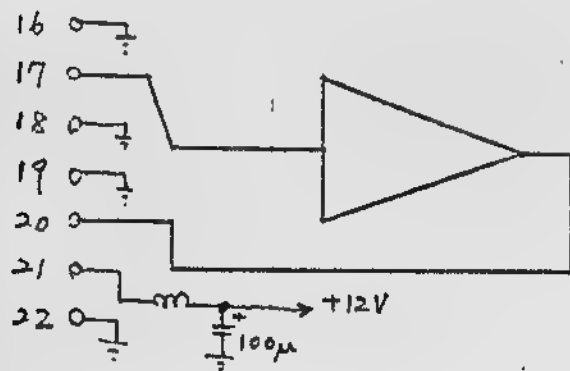
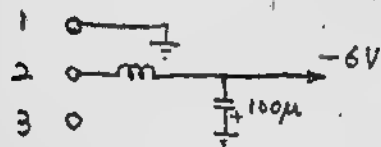




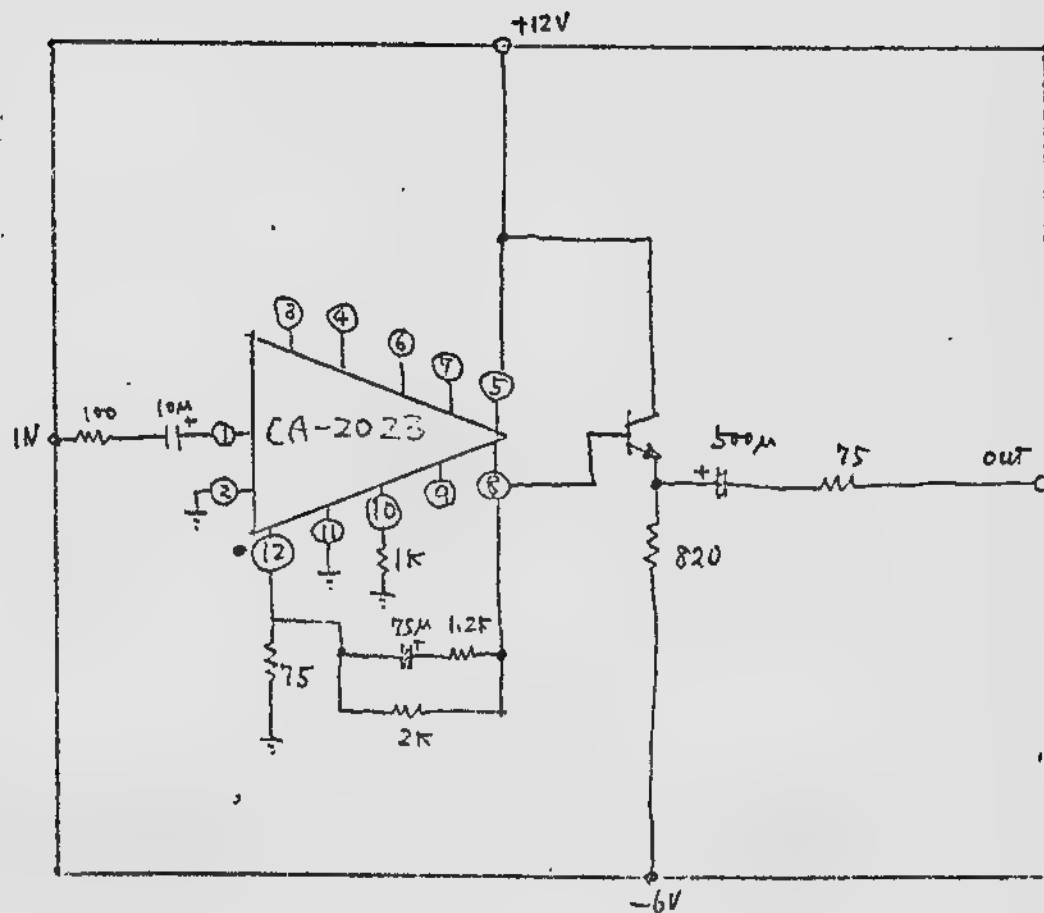
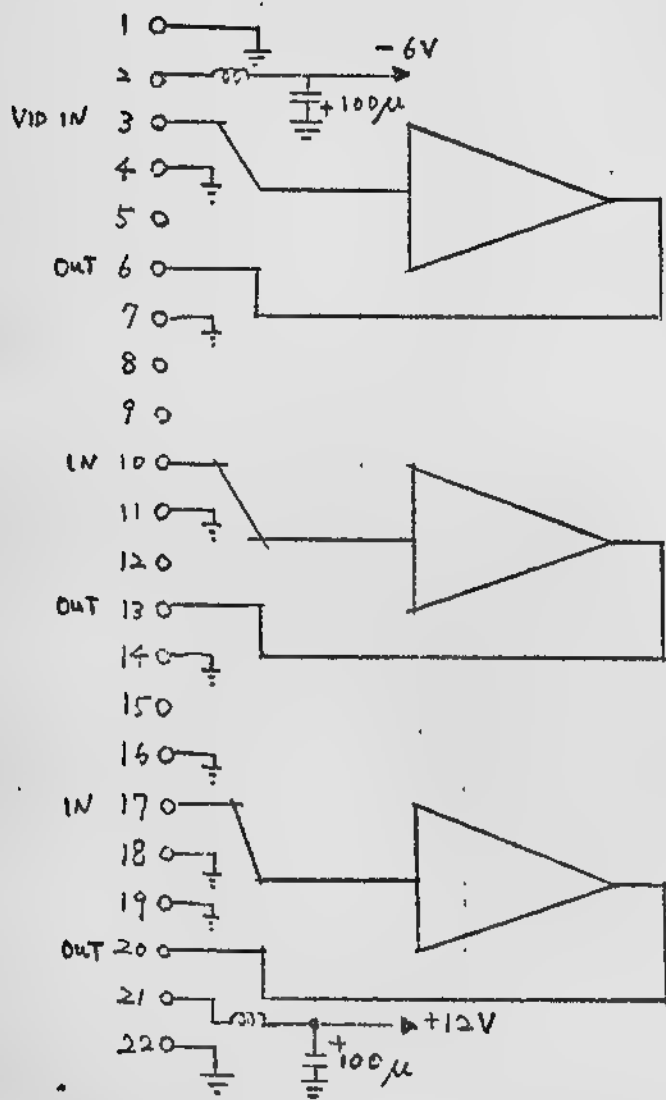
Power Supply



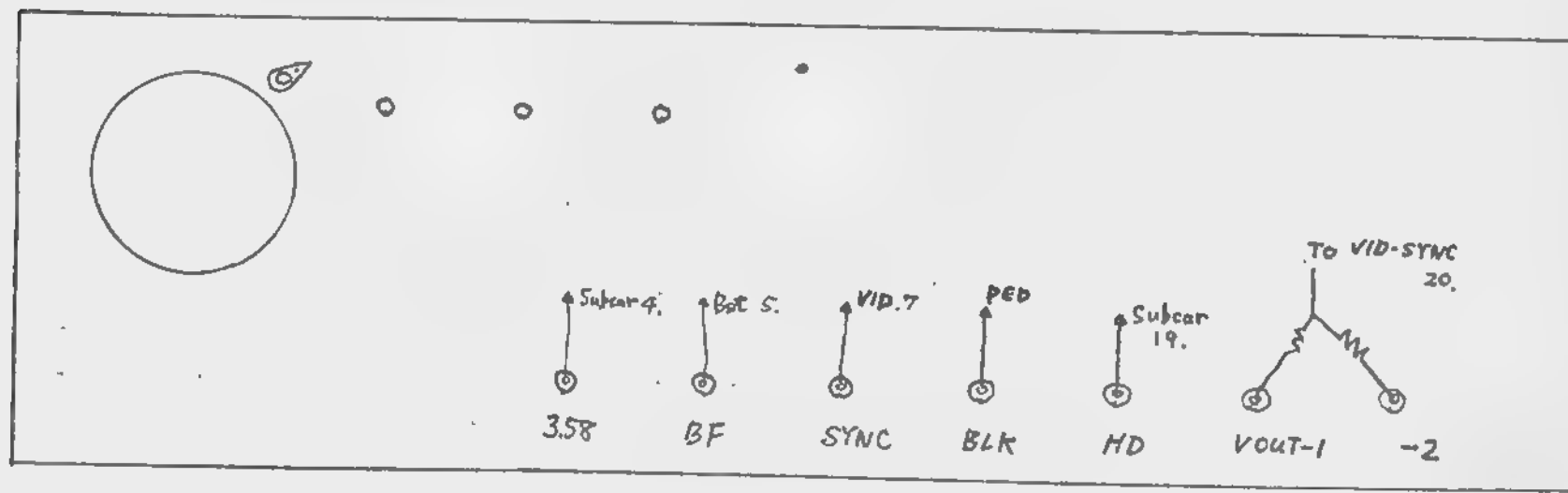
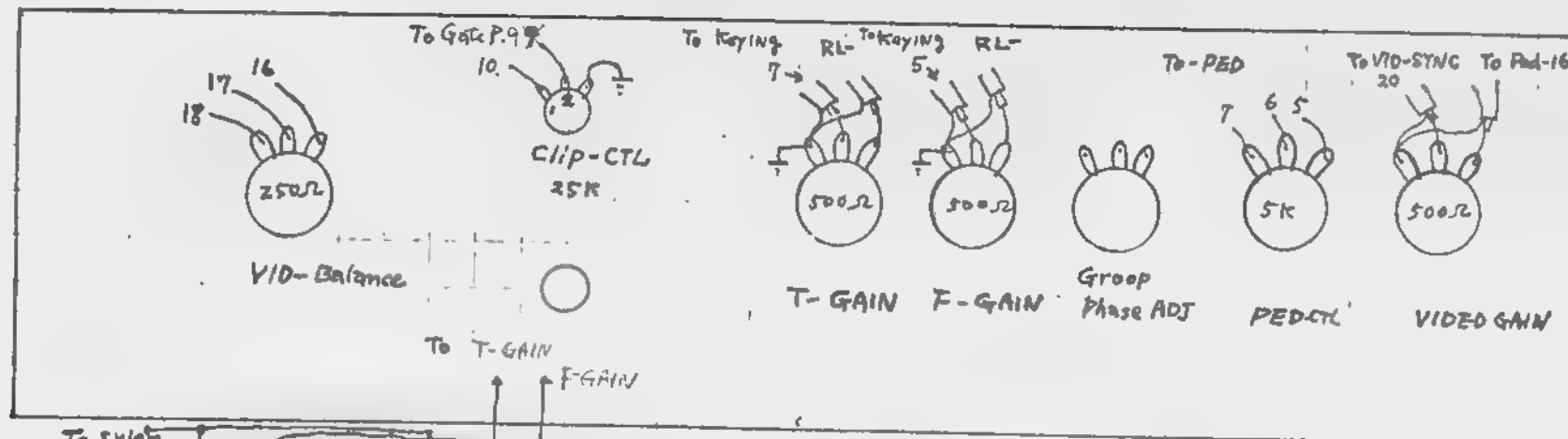
Mixing Amp



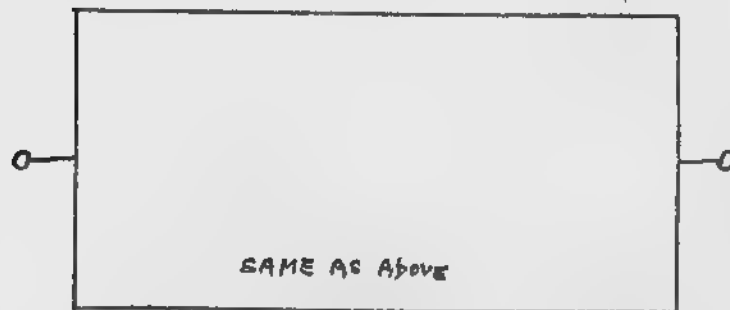
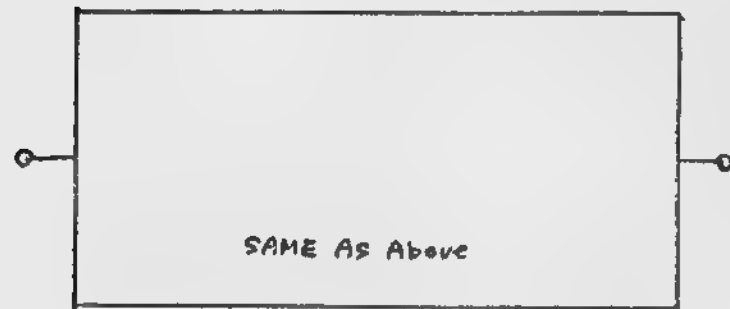
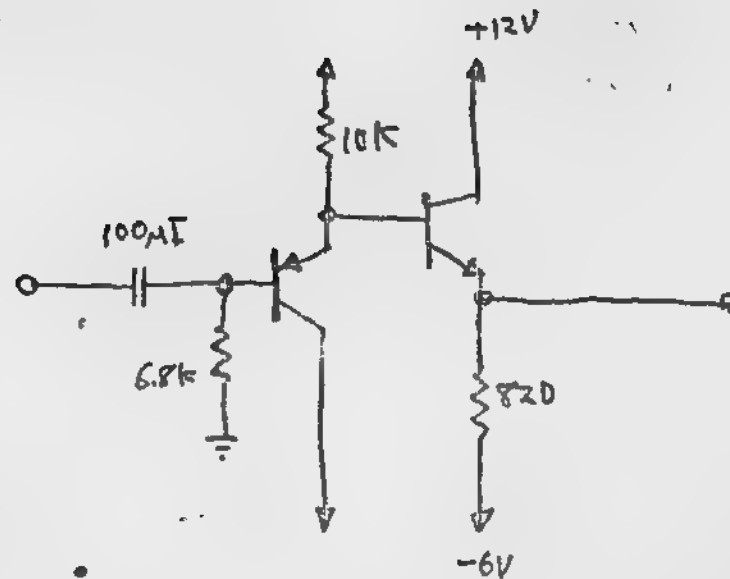
Amp.



Amp.



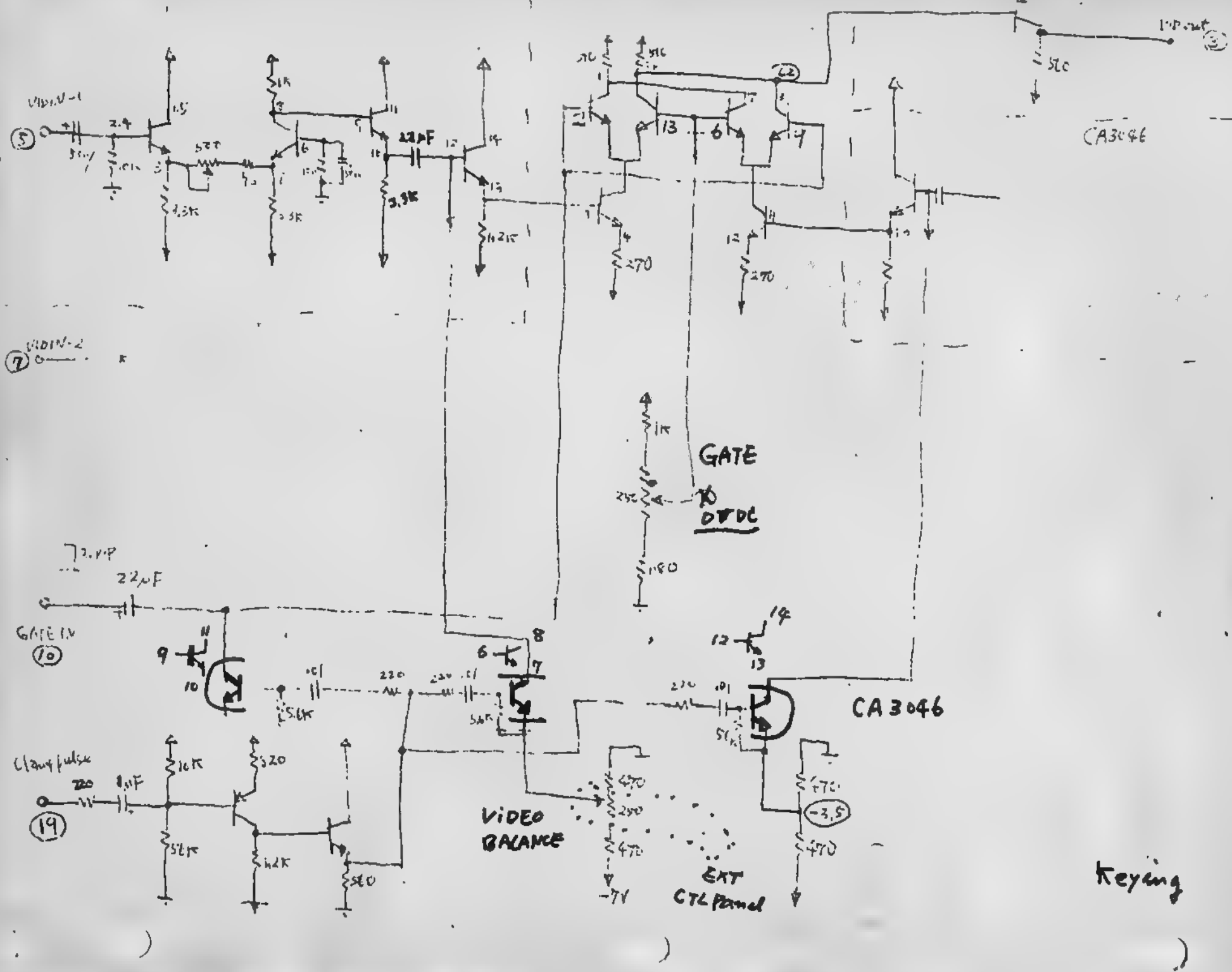




SWITCHER INPUT  
 & TITER  
 Follower

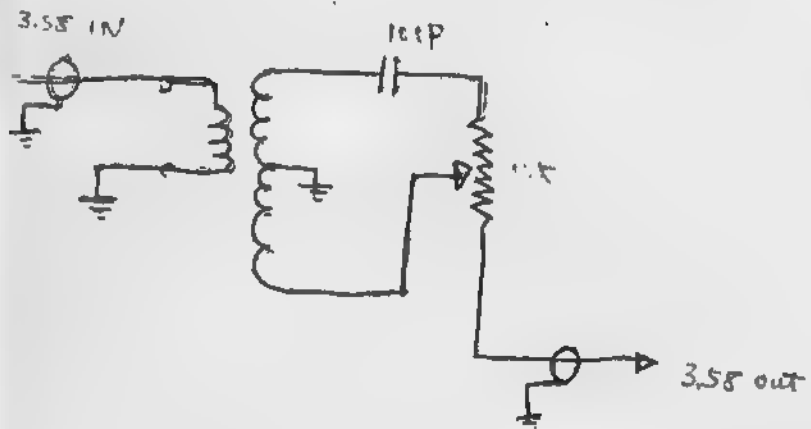
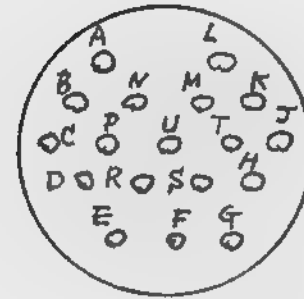
CA3046

CA-3054





A +12V  
 B - 6V  
 P GND  
 C Rout  
 E COAX SEL vid  
 H F out  
 L T out  
 F GND  
 K "



CONVERTER Diagram

Phase CTL.

Subcar.

Burst

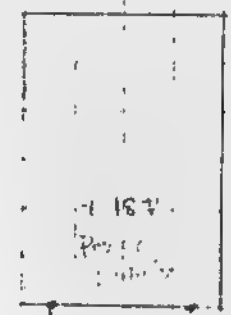
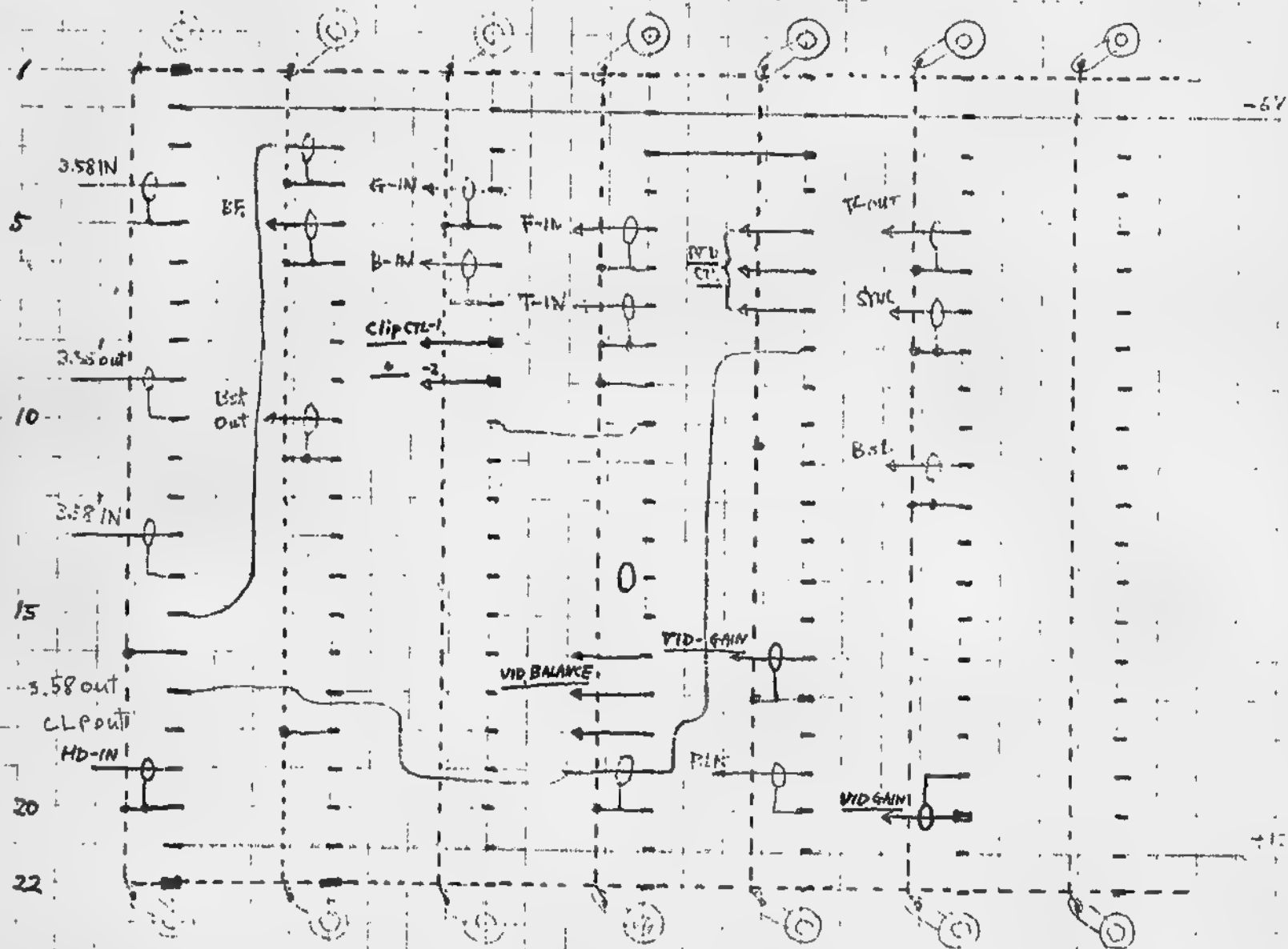
Gate Pulse

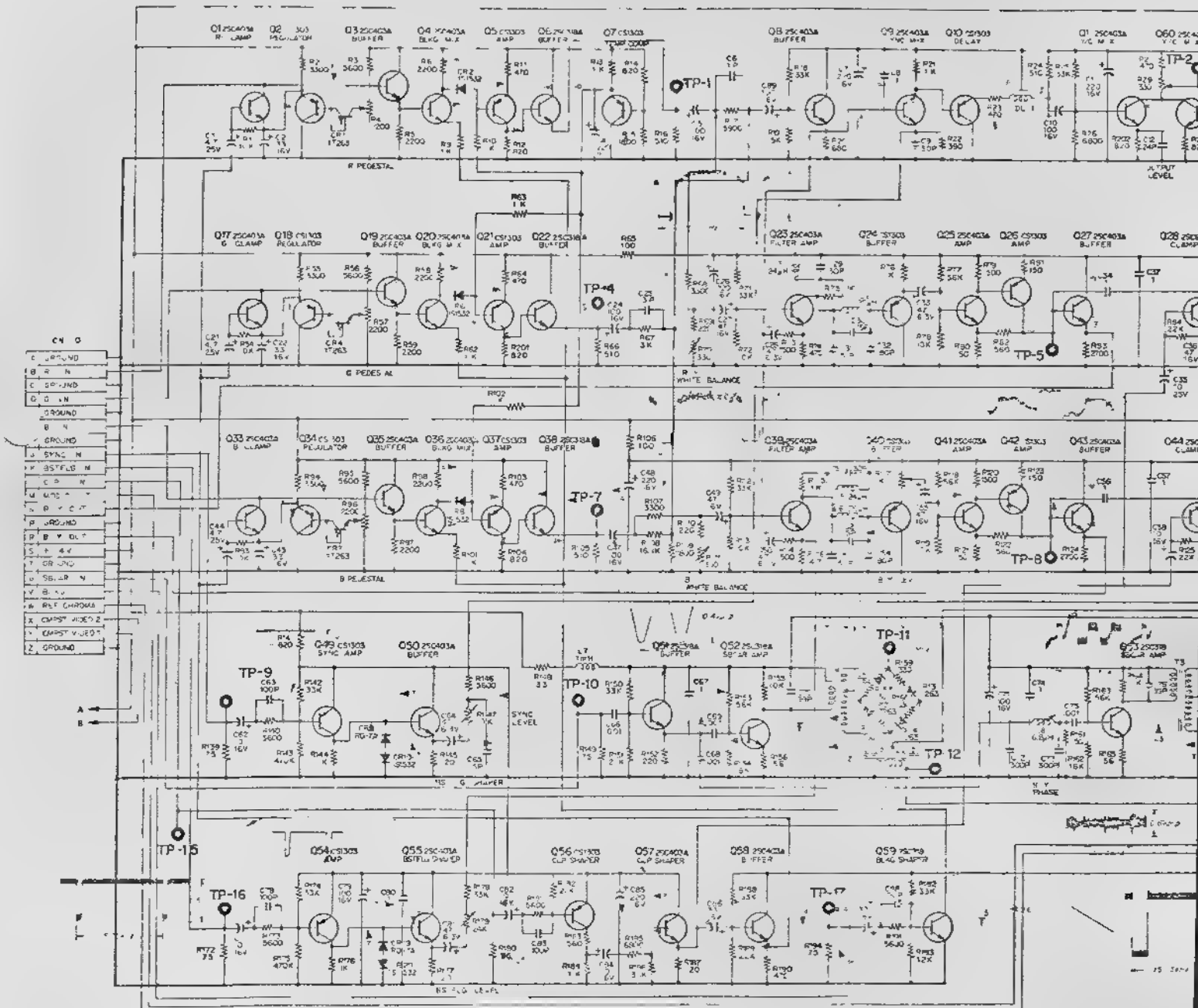
Keying

RED

VIDEO  
& SYNC

Spare



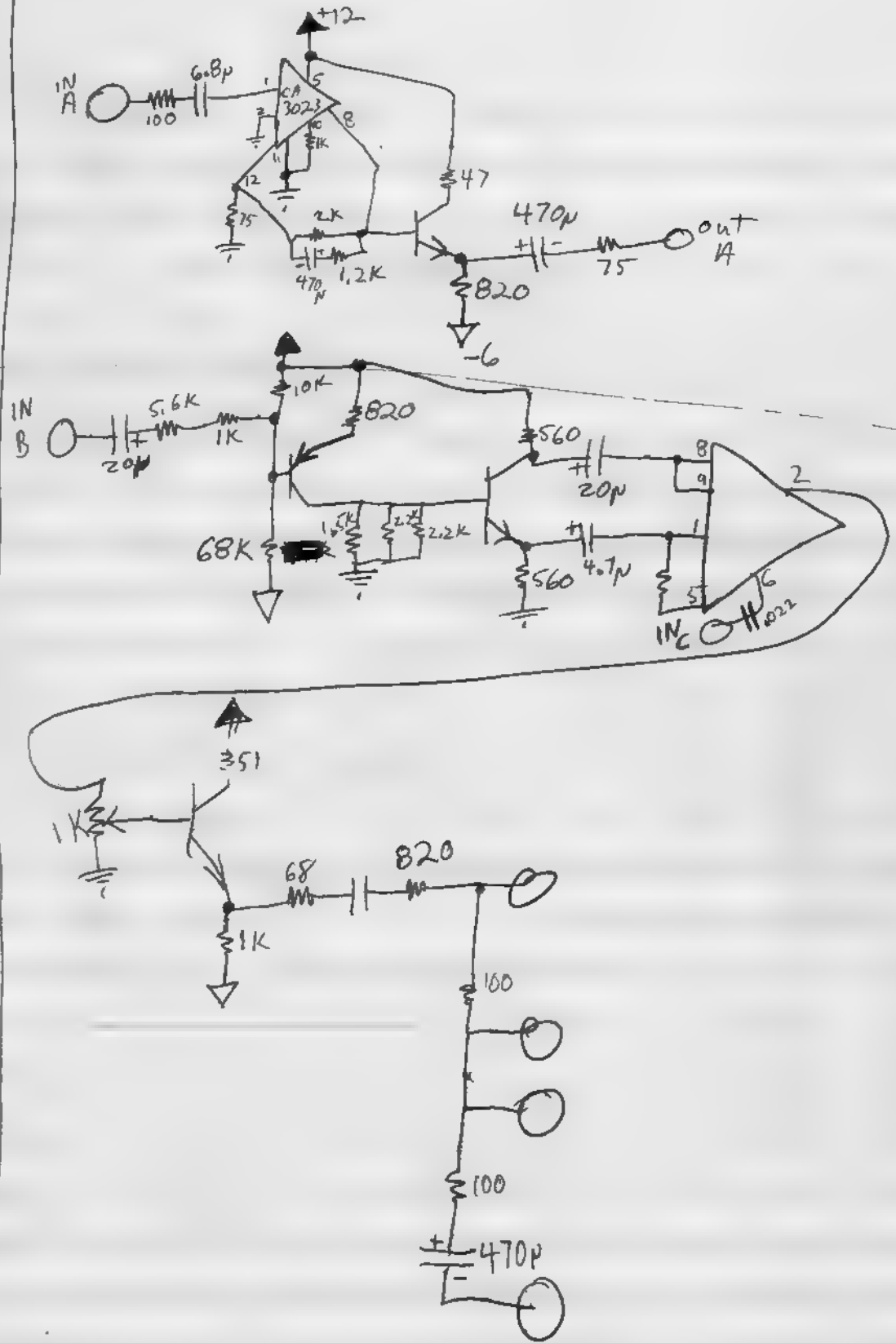


ABE #2

Board #5

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22

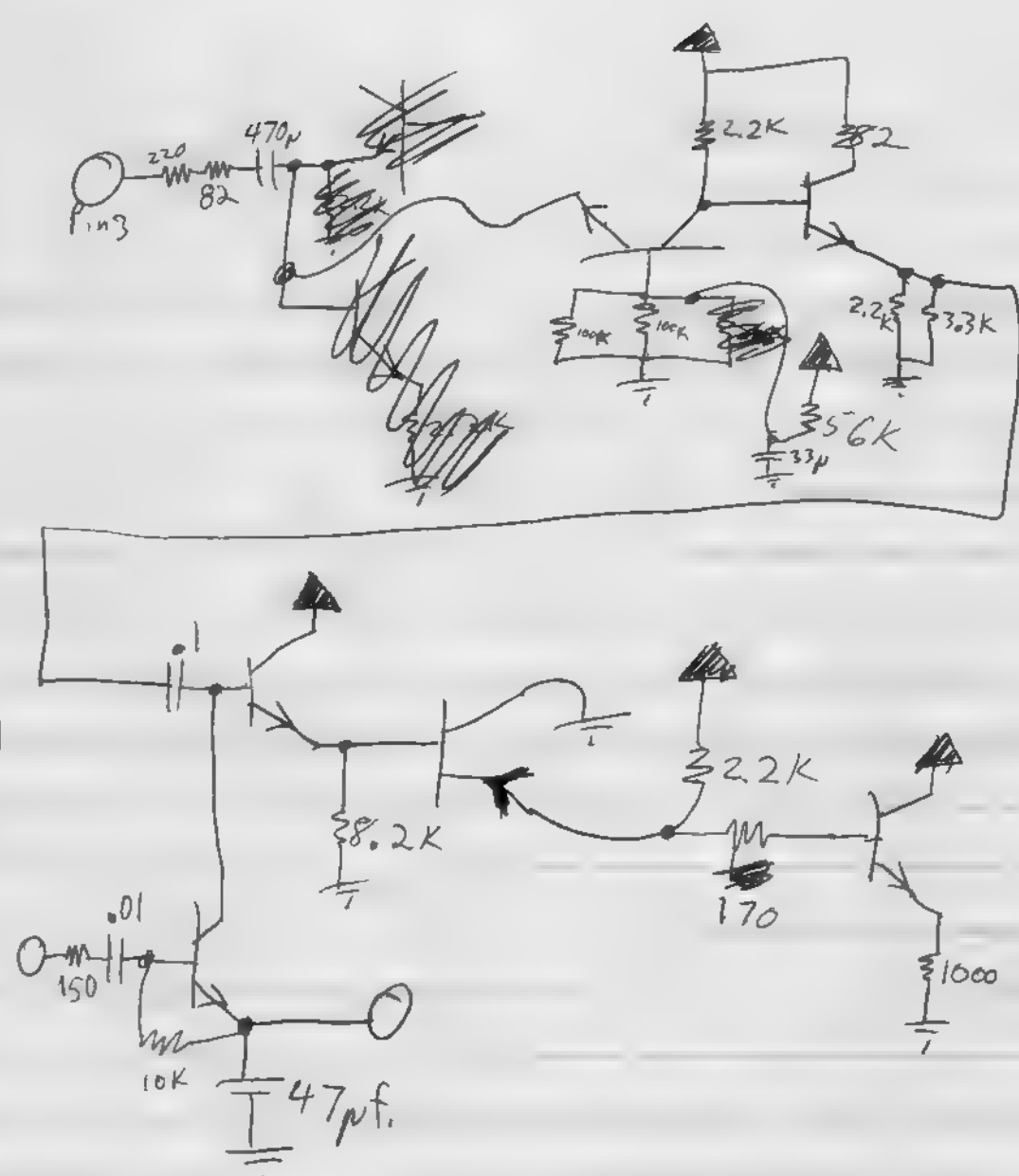
  
 -6  
 IN A  
  
 out A  
  
  
  
  
 IN B  
  
  
 +12  

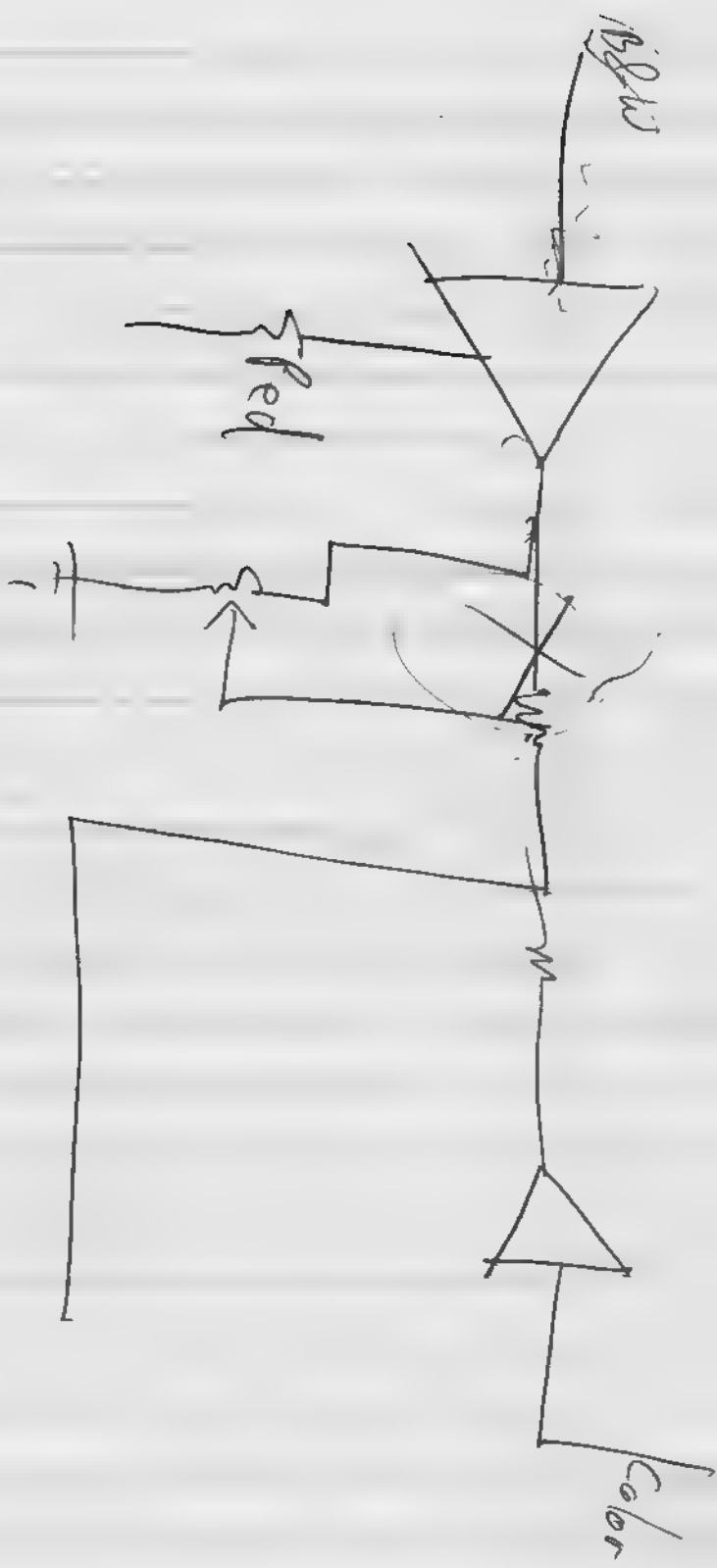



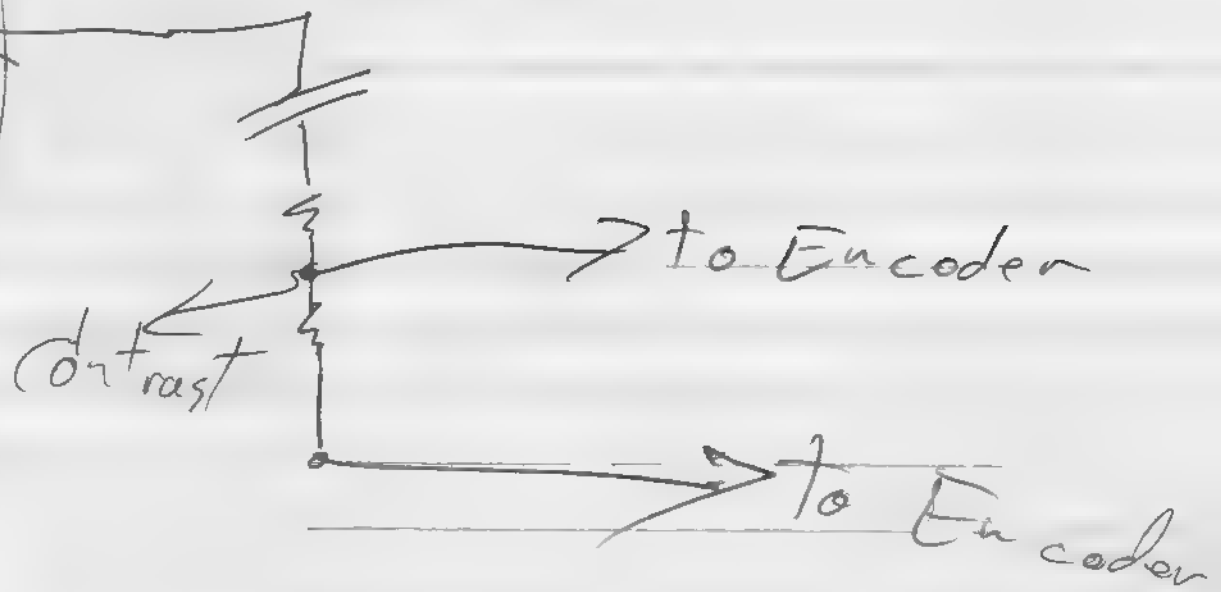
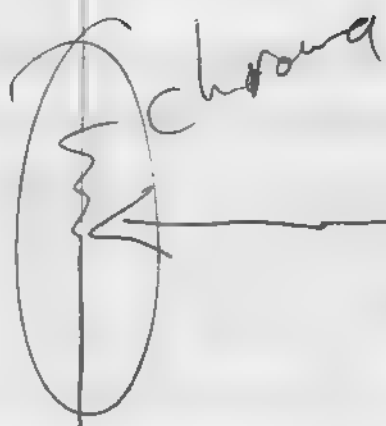
ABE #2

Board #3

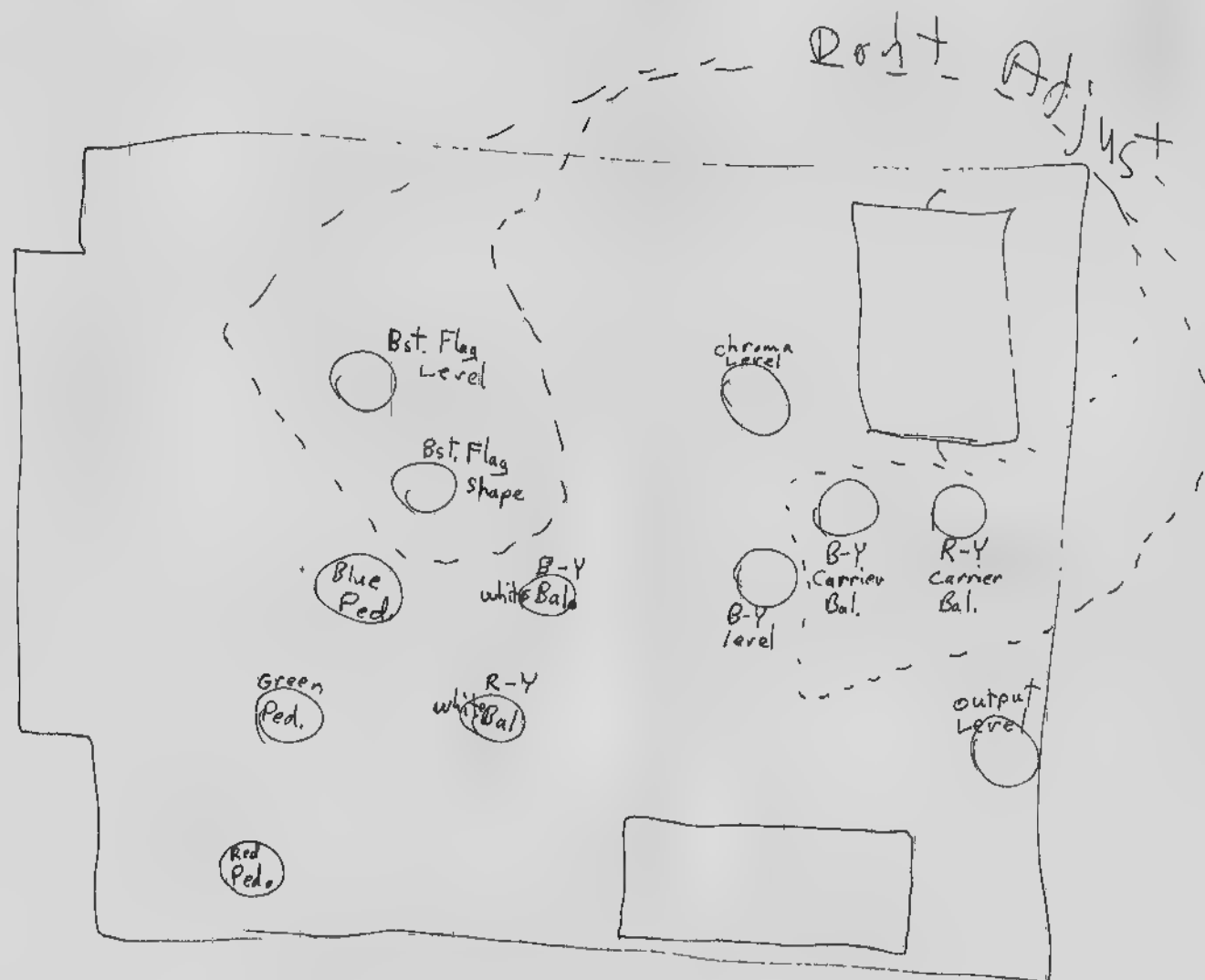
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22



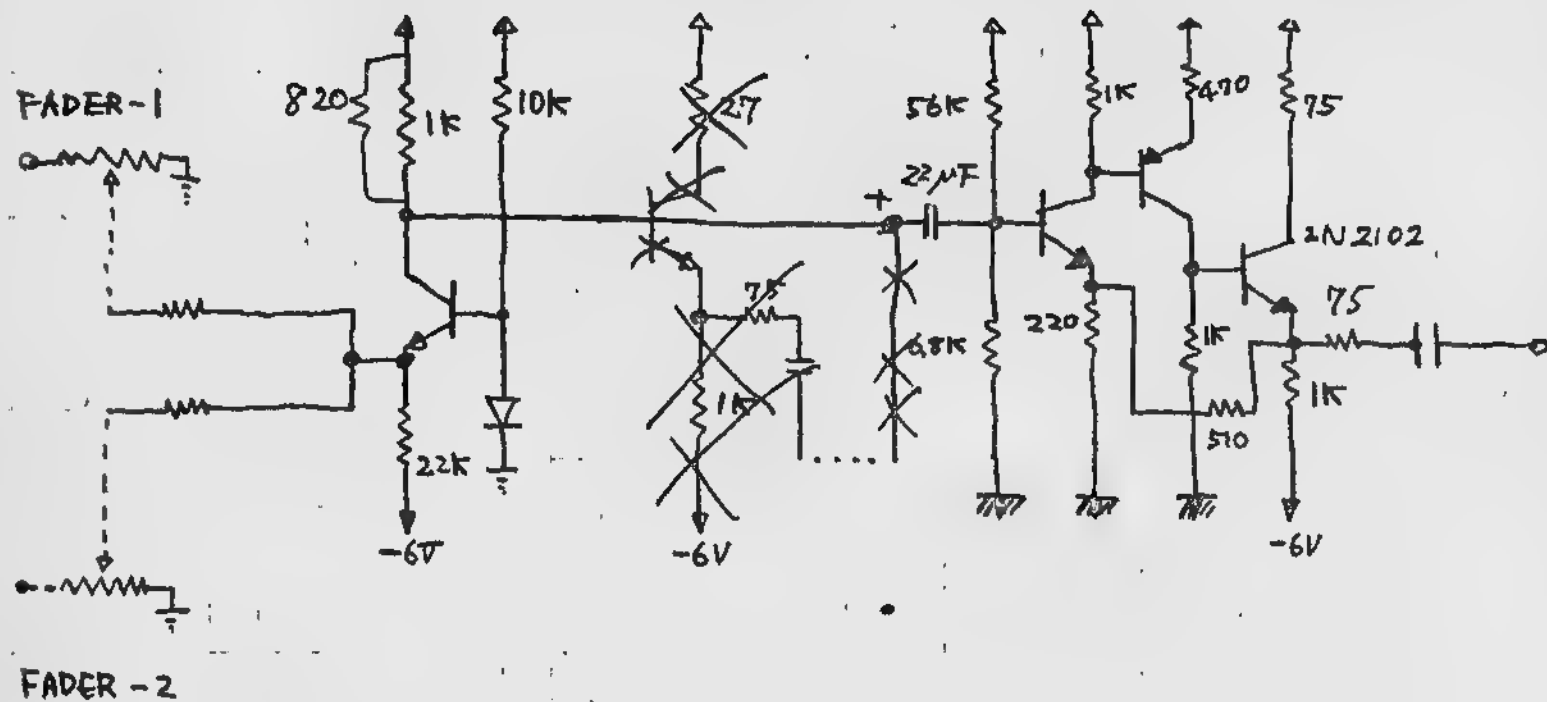




Top



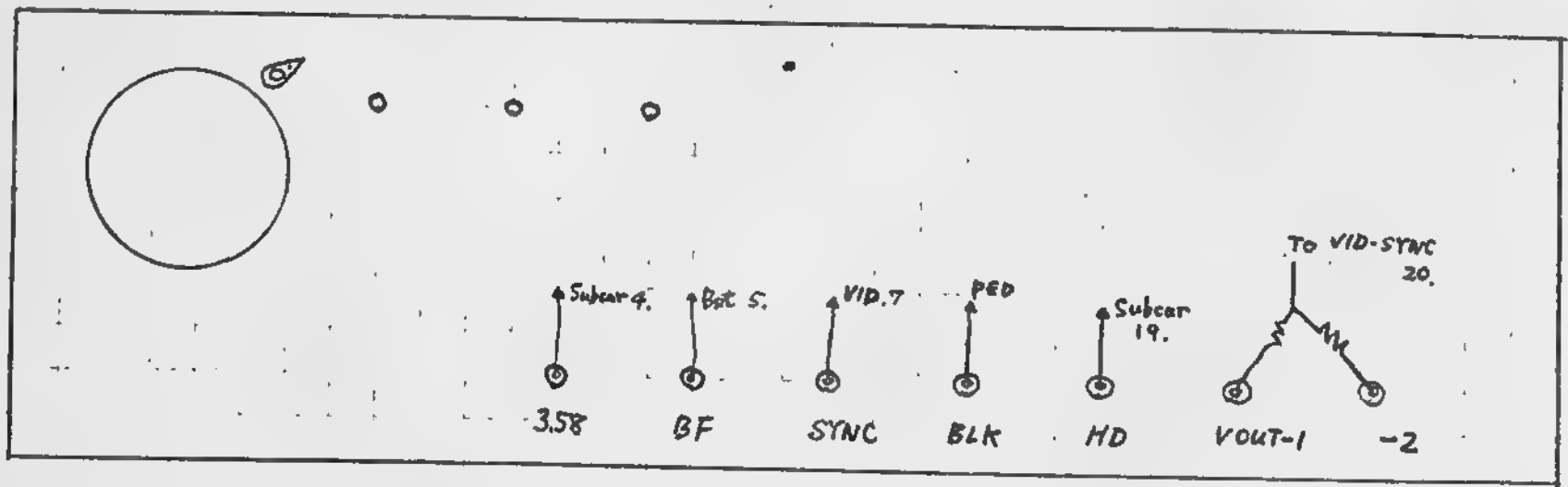
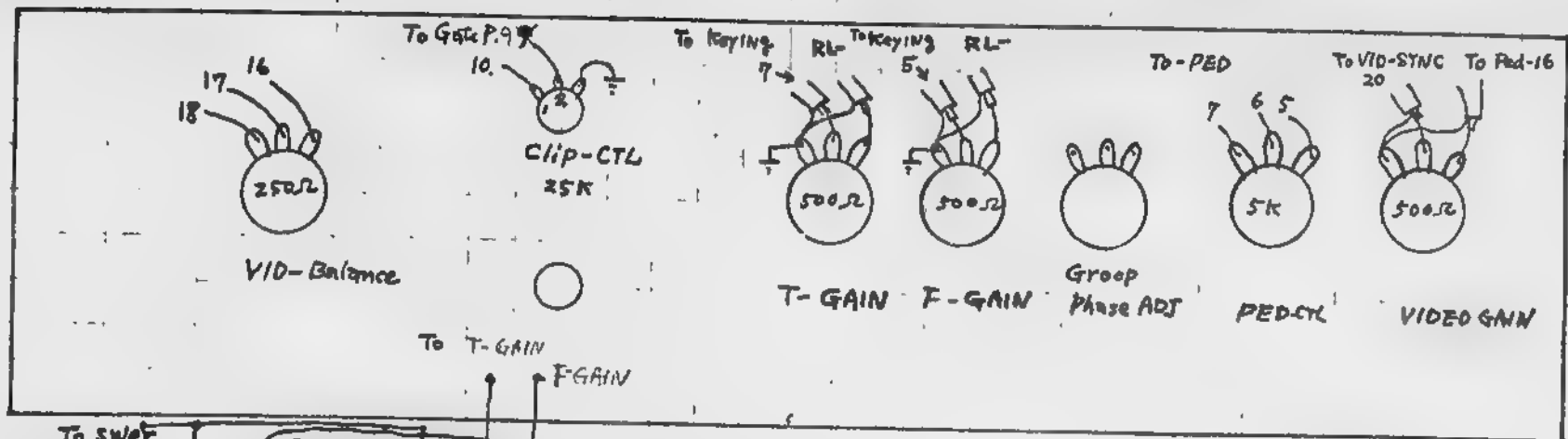




PNP ... 2N4402 or Equivalent

NPV ... 2N4400 .. "

MIXER - FADER OUTPUT  
AMP





Reg. Power Supply

117V IN.

2V OUT

GND 1

6V 10W ZENER DIODE.

-6V 2

50 $\mu$ /50V

+15V 12

To PIN 22.

5.6

2

3

CA-3055

7

6

5

4

47P

2 $\mu$ F

5K

1K

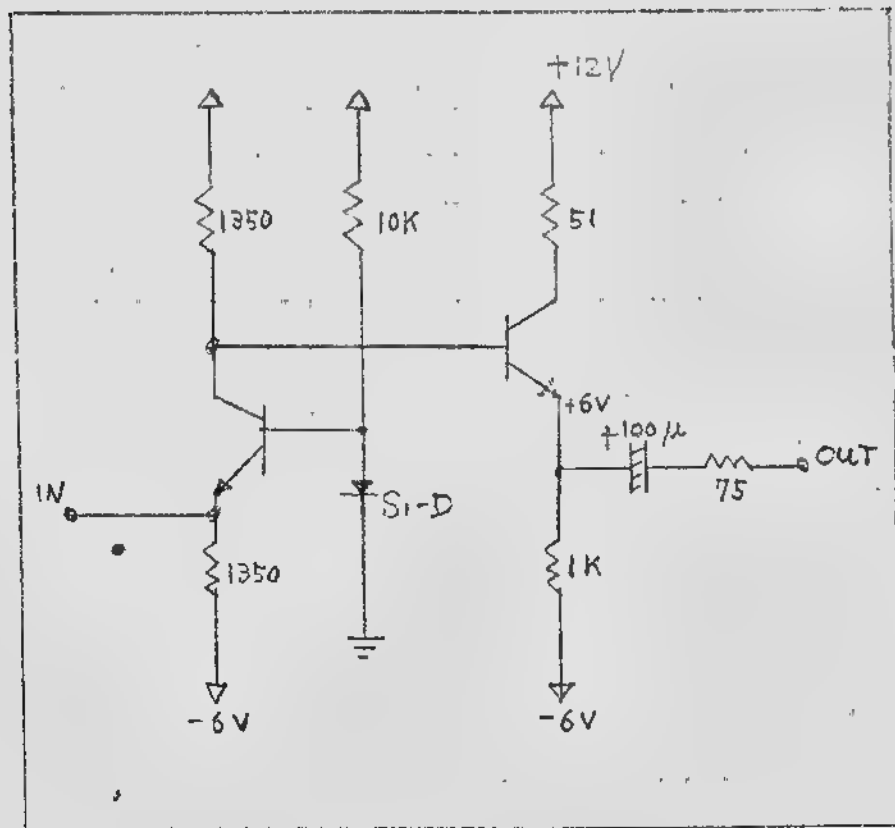
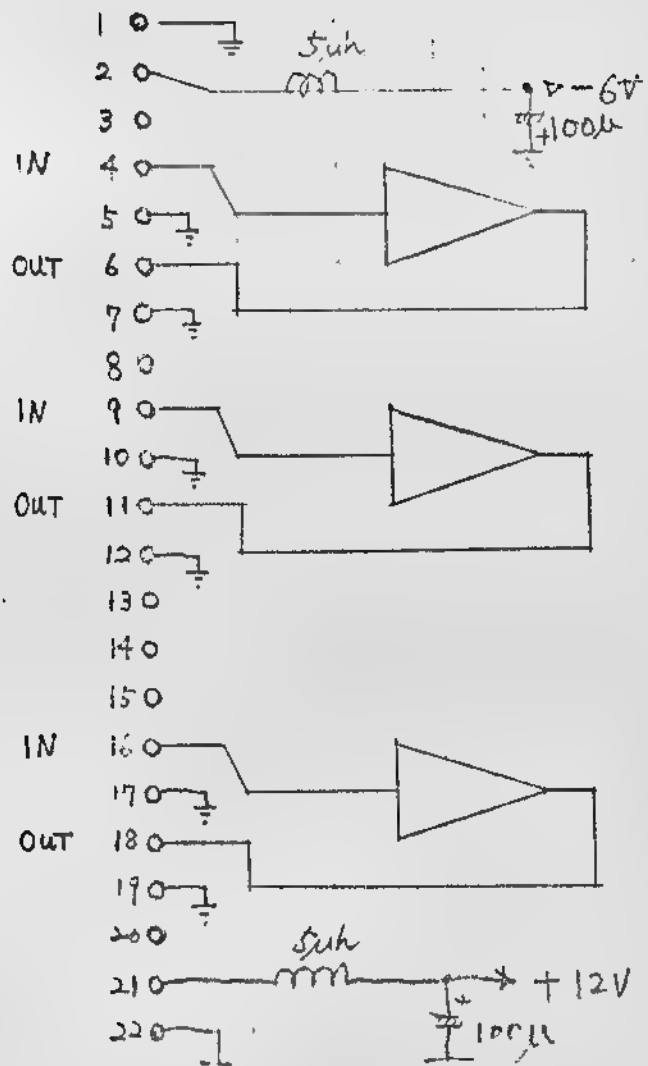
50 $\mu$

8.2K

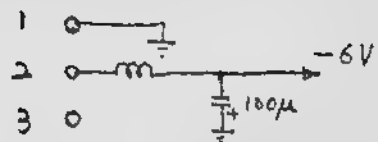
+12V 22

GND 22

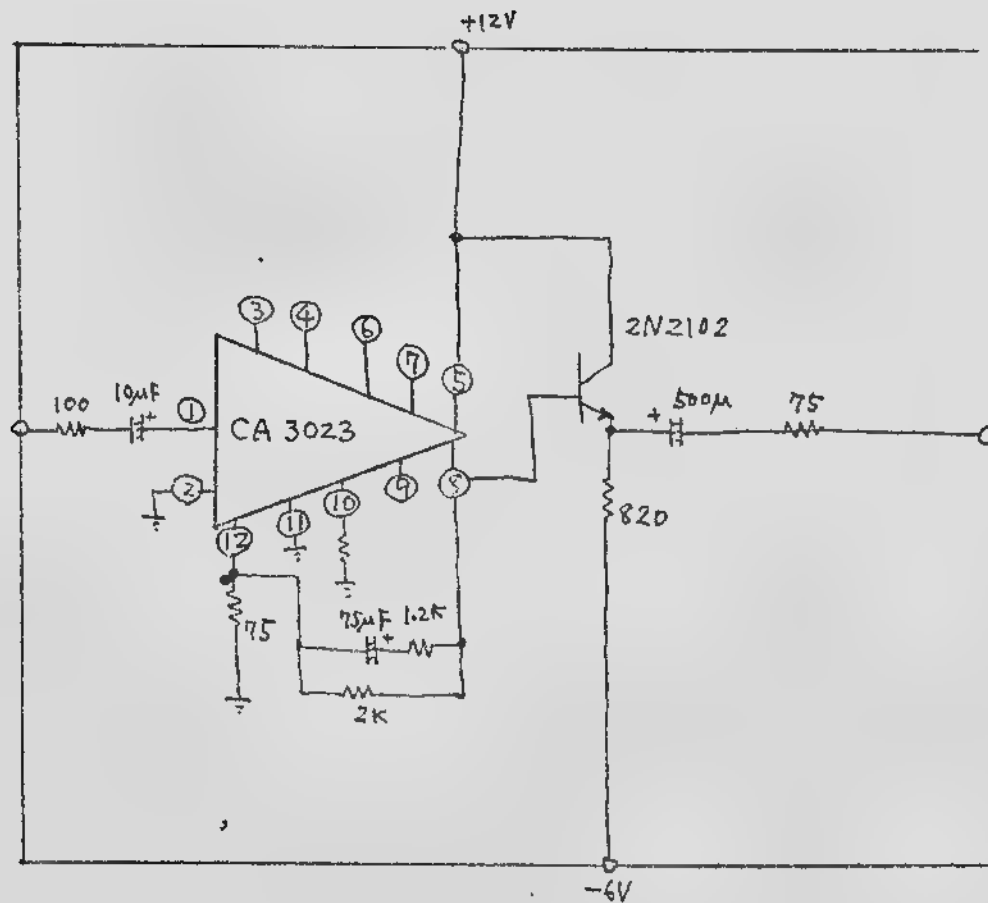
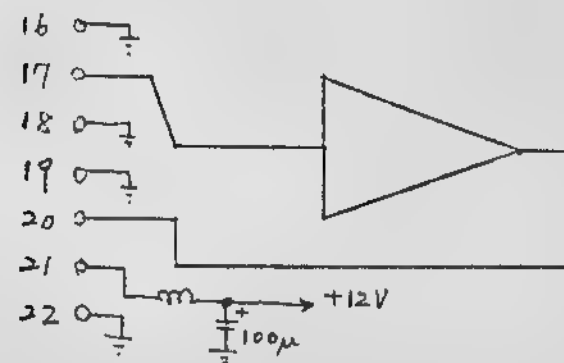
Power Supply



Mixing Amp

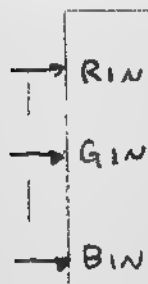


- 3 0
- 4 0
- 5 0
- 6 0
- 7 0
- 8 0
- 9 0
- 10 0
- 11 0
- 12 0
- 13 0
- 14 0
- 15 0



Amp.

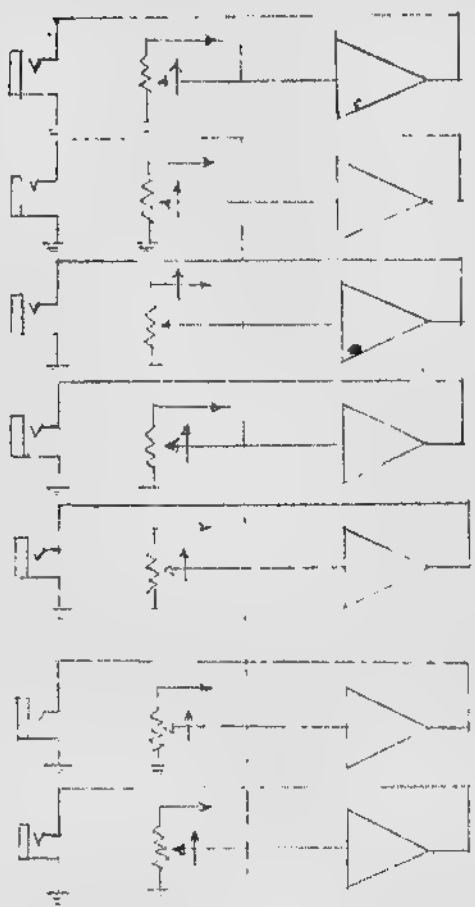
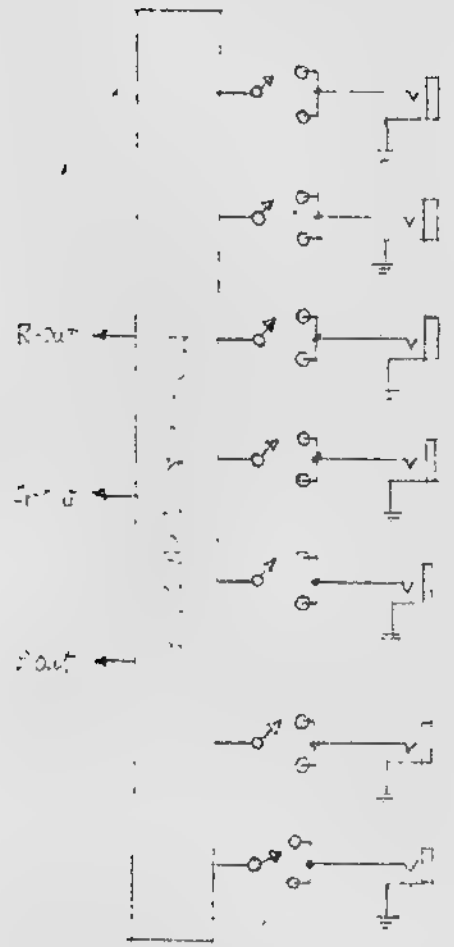




En 112

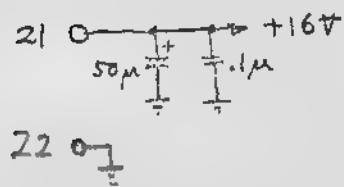
- 3.58
- BF
- HD
- BLK
- SYNC

Vidout 1  
Vidout 2



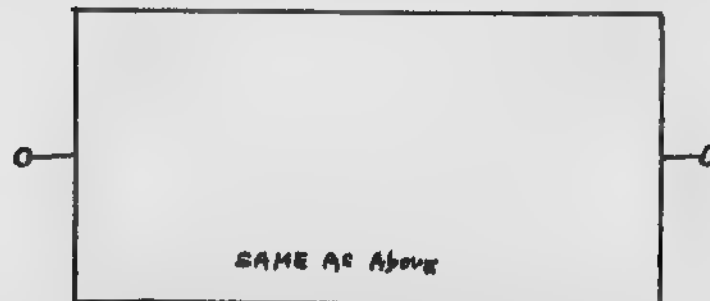
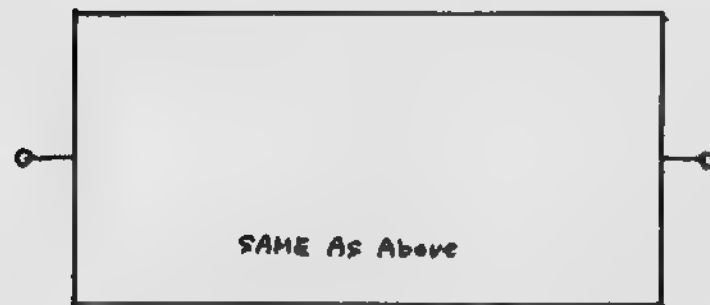
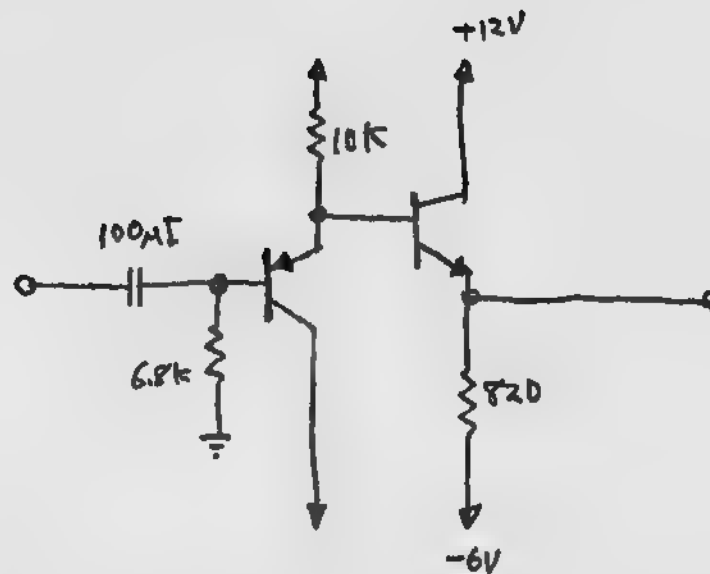
- CH-1
- " -2
- " -3
- " -4
- " -5
- " -6
- " -7

PS — ACIN.

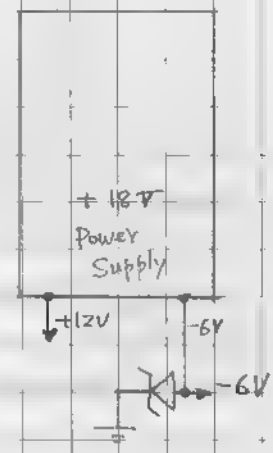
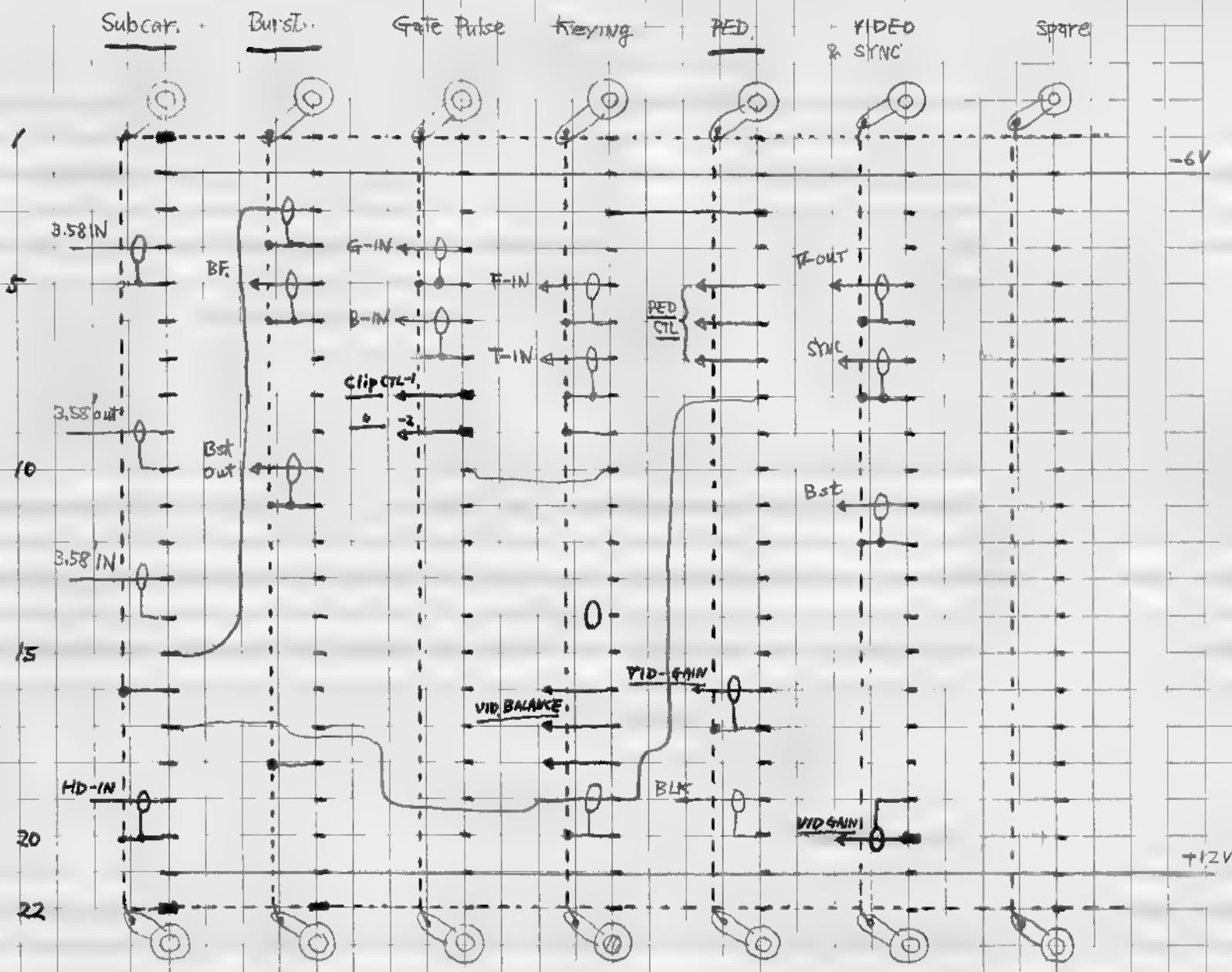


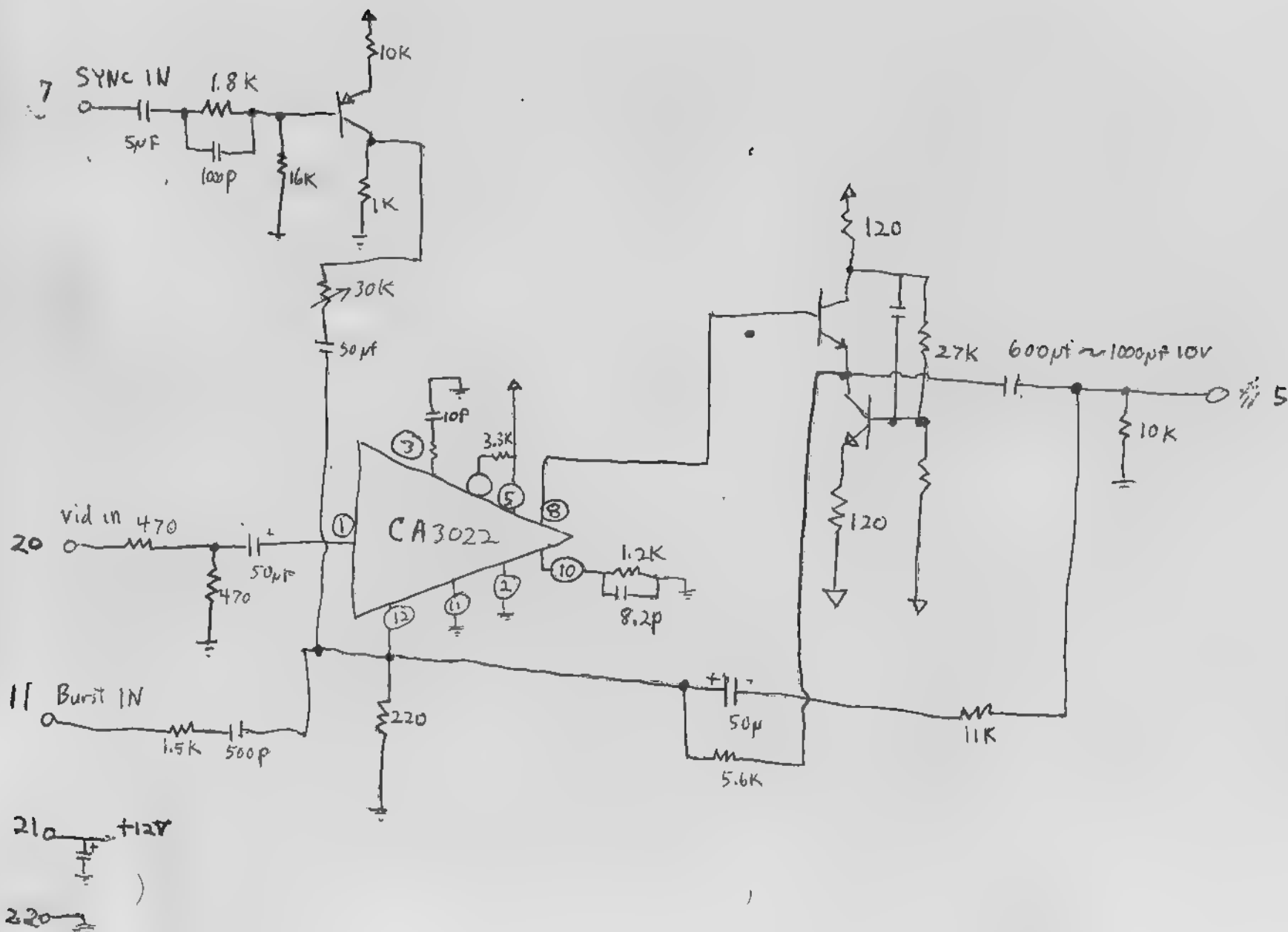
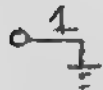
## Burst Generator

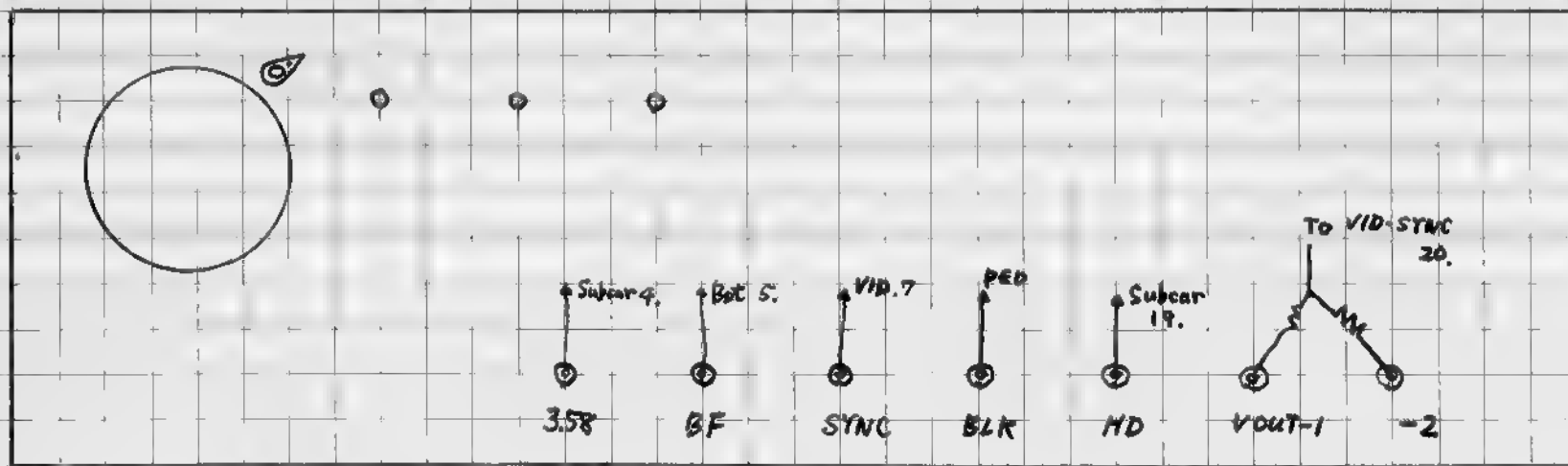
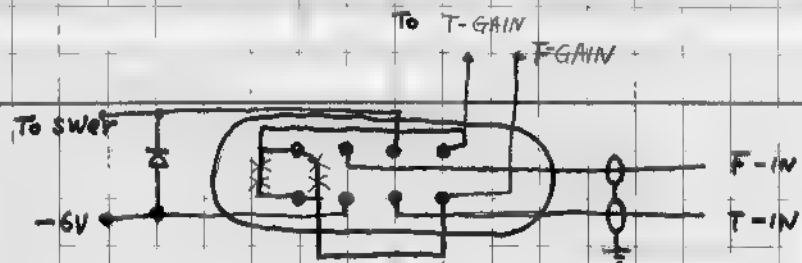
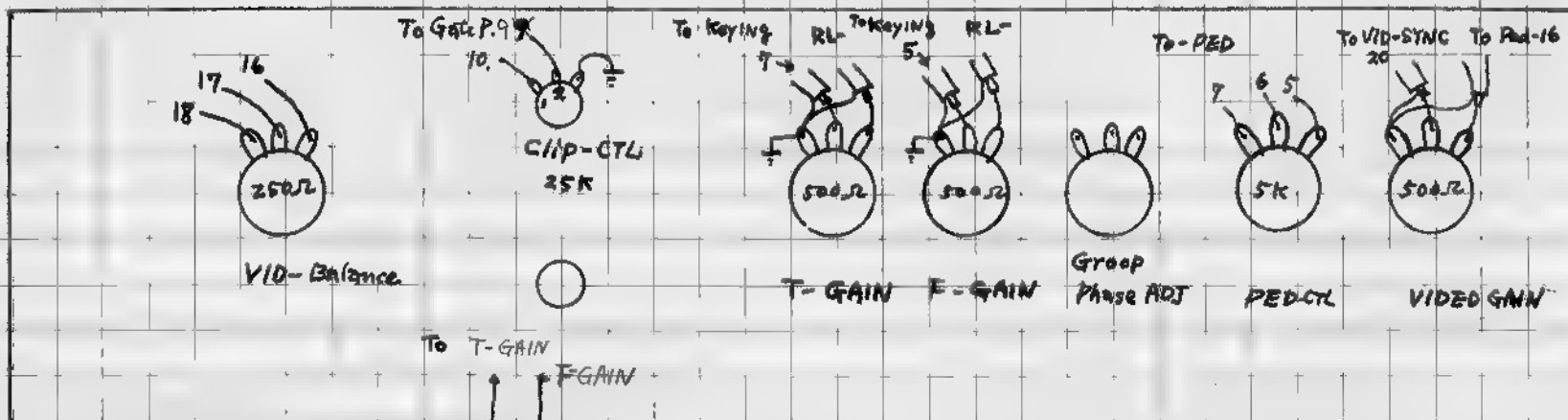


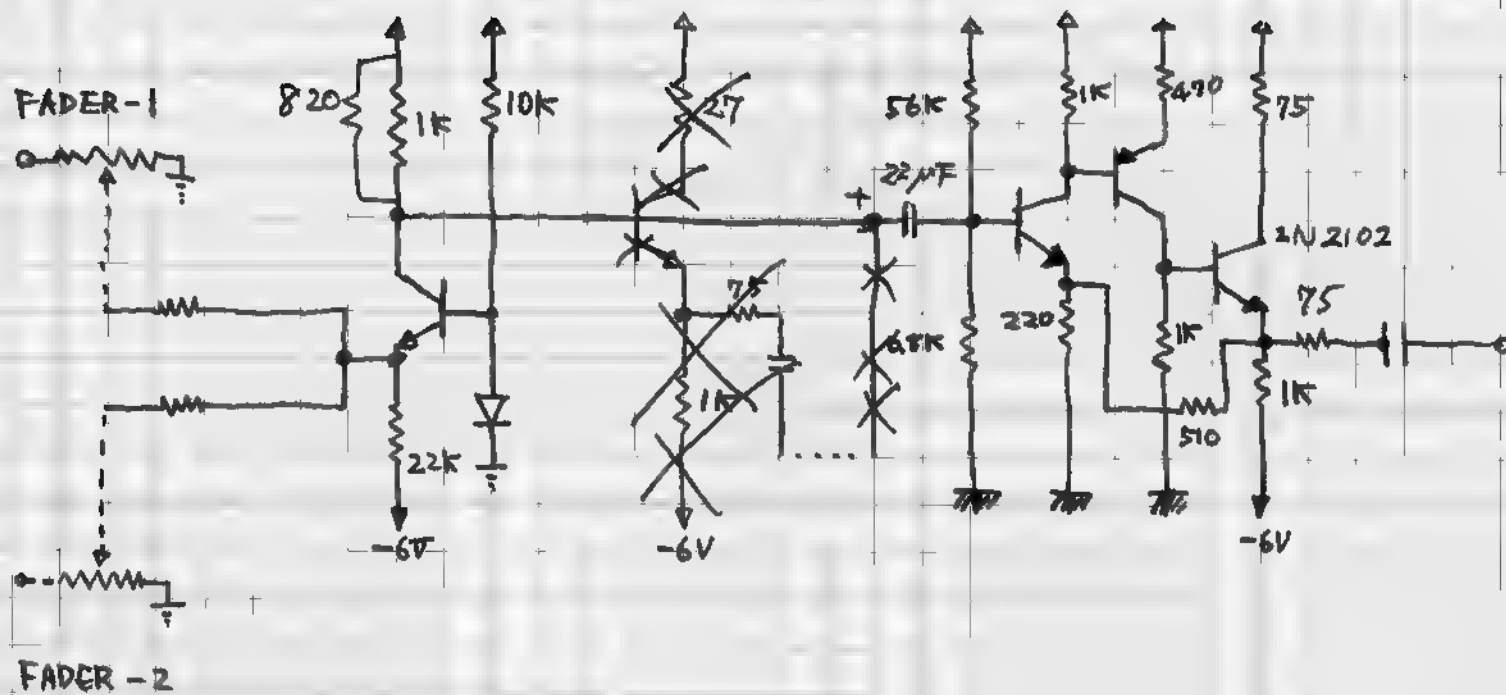


SWITCHER INPUT  
E. ITER  
Follower







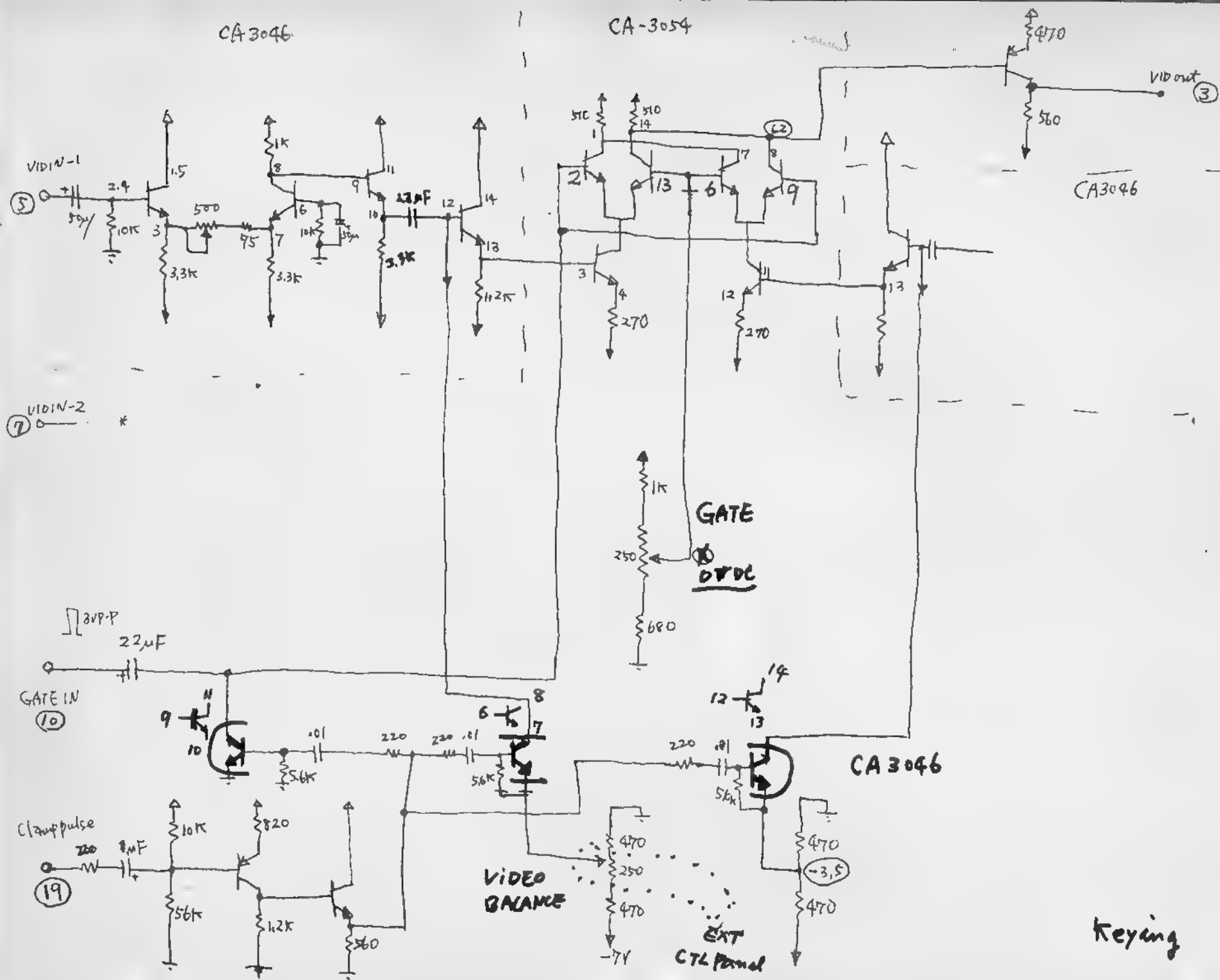


PNP ... 2N7402 or Equivalent

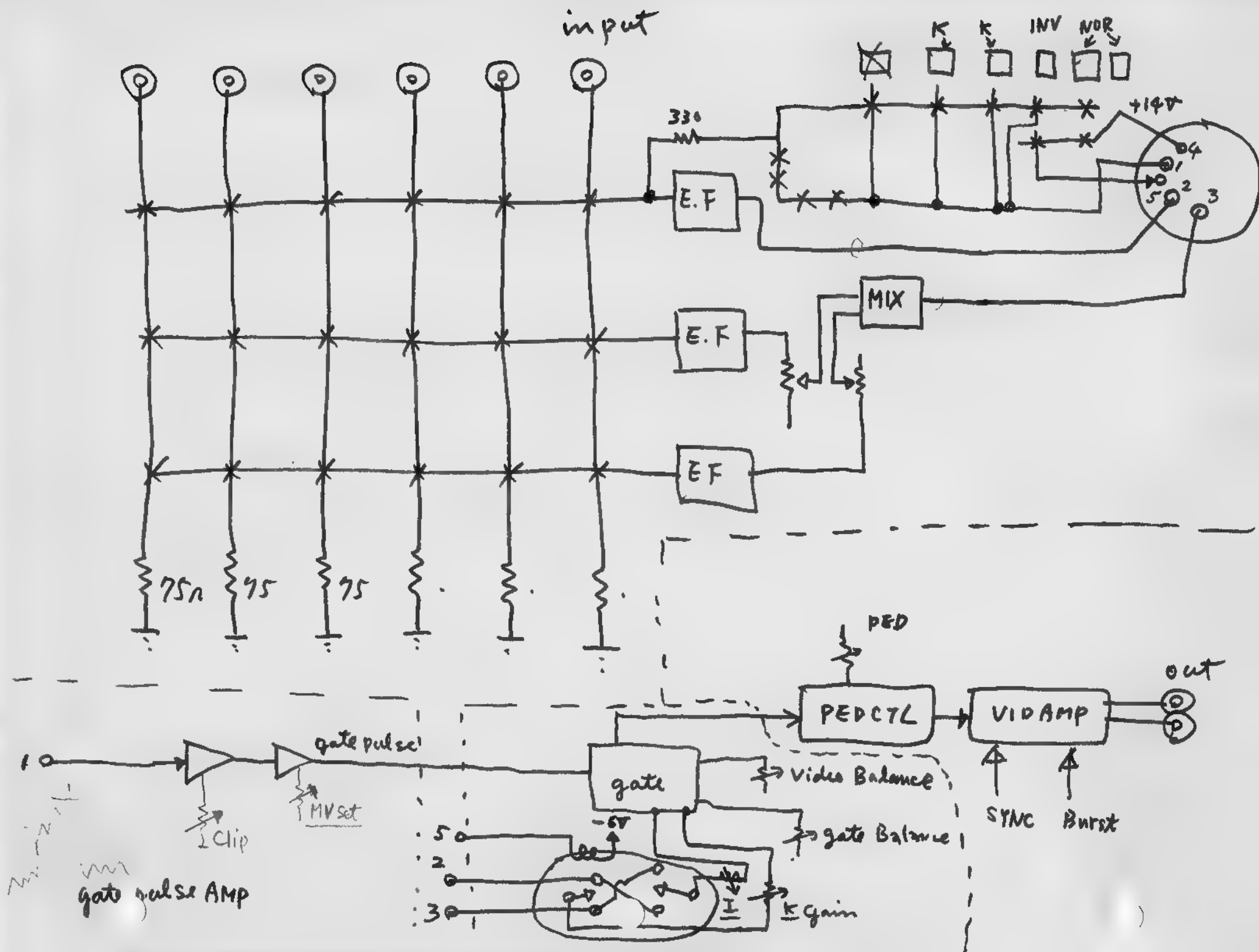
NPN ... 2N2102

MIXER-FADER OUTPUT  
AMP

CA-3054

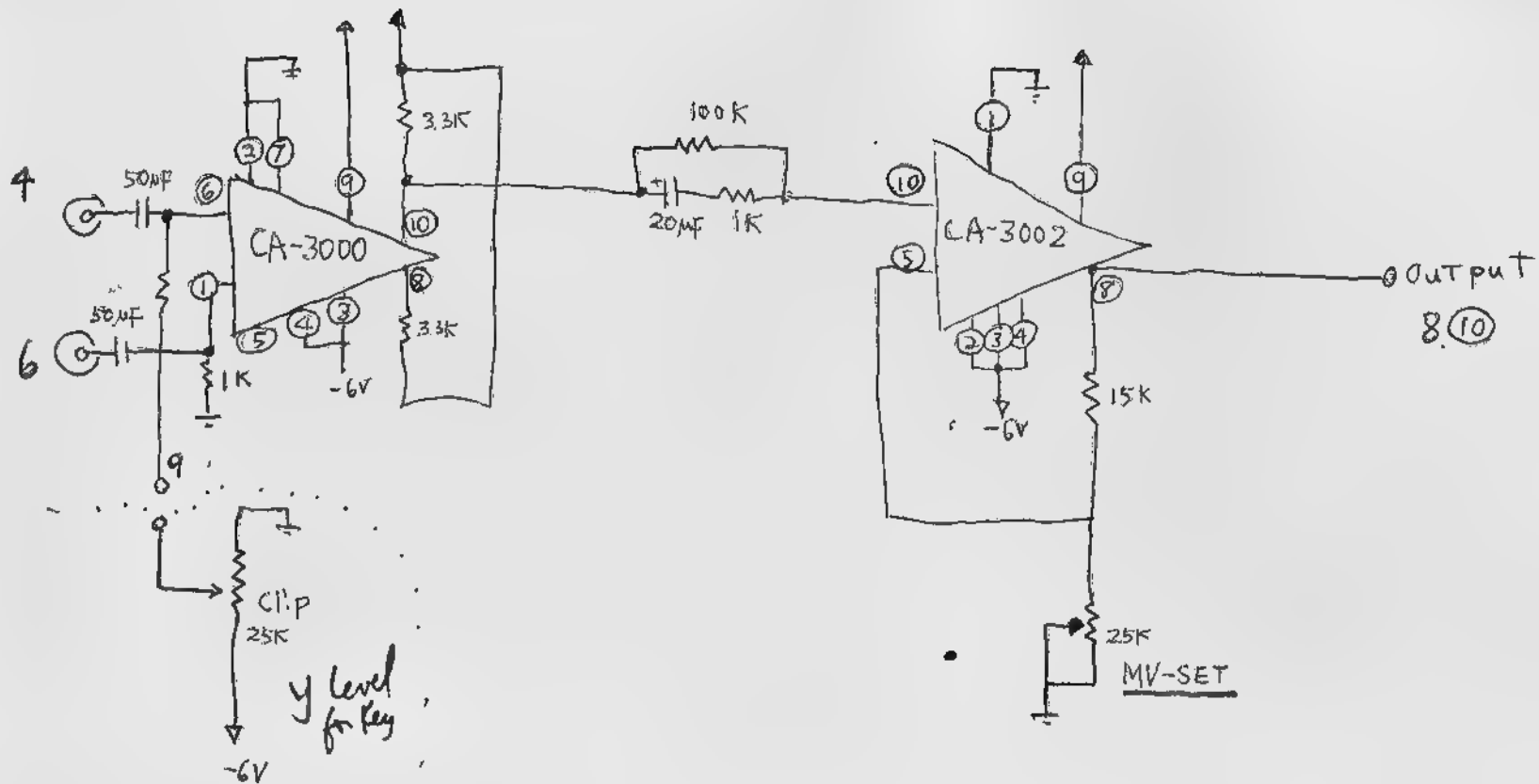


## Keying

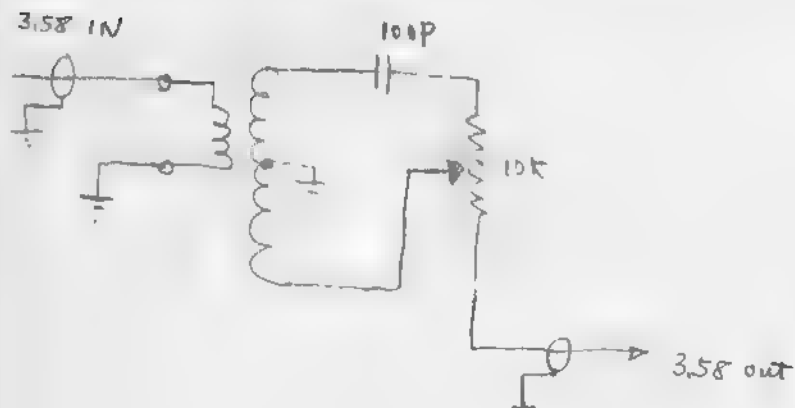
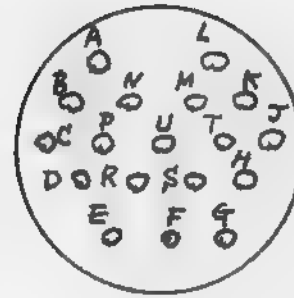






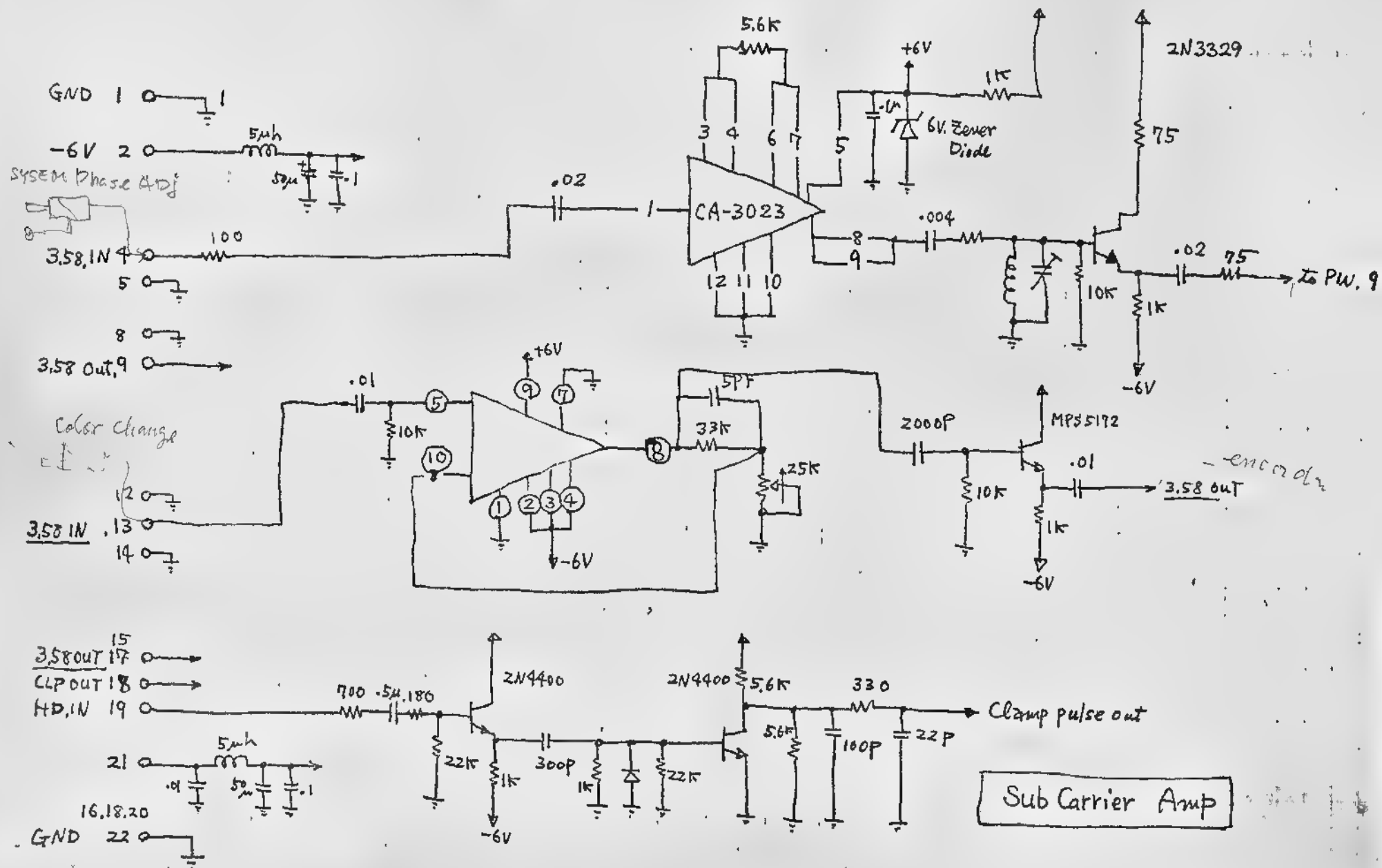


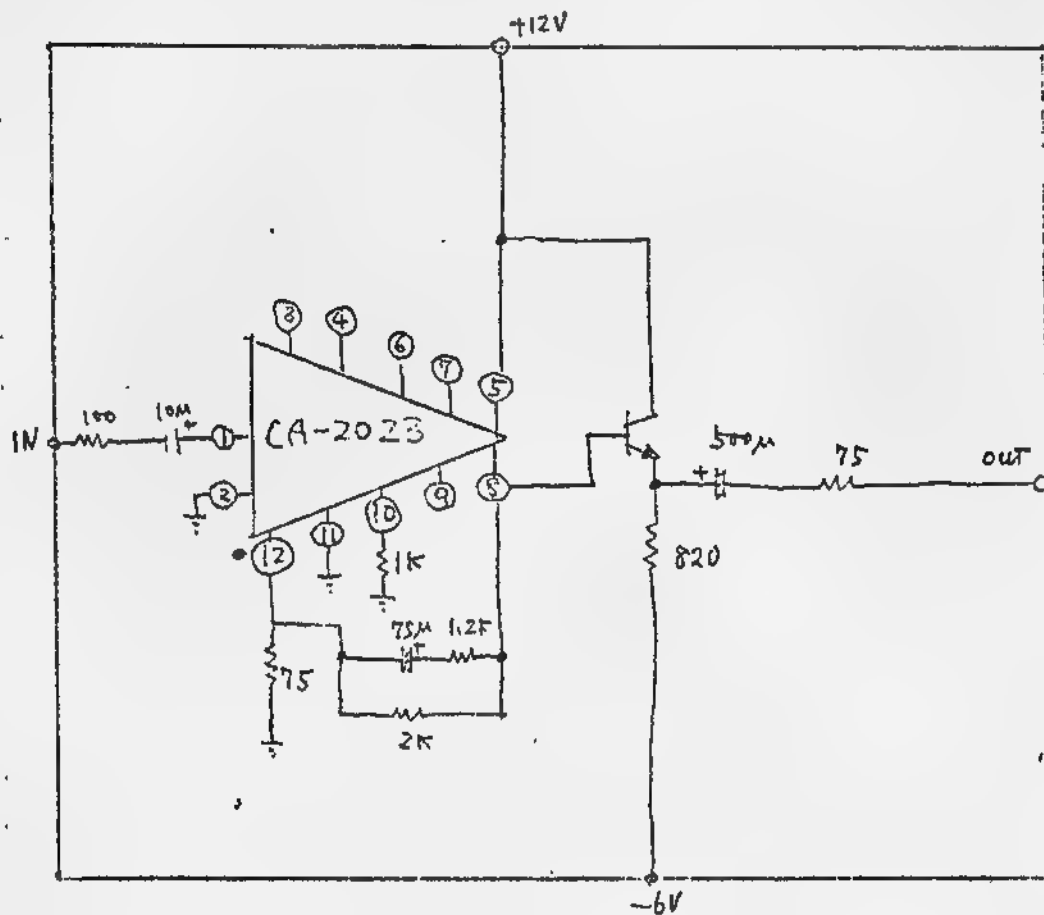
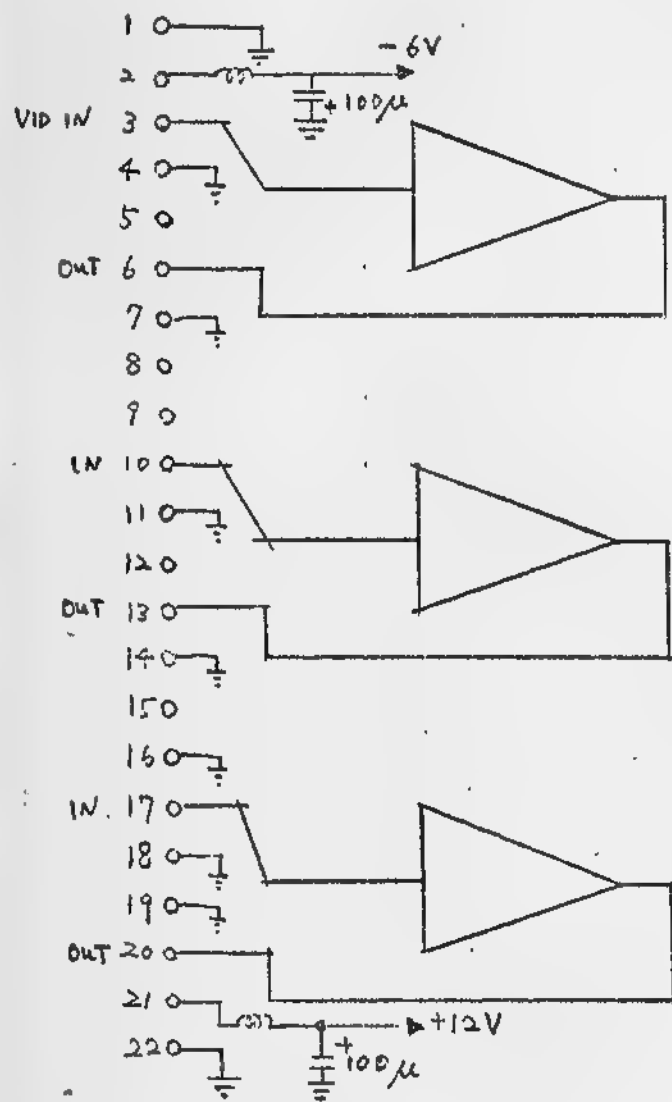
A + 12V  
 B - 6V  
 P GND  
 C Rout  
 E COAR SEL vid  
 H F out  
 L T out  
 F GND  
 K "



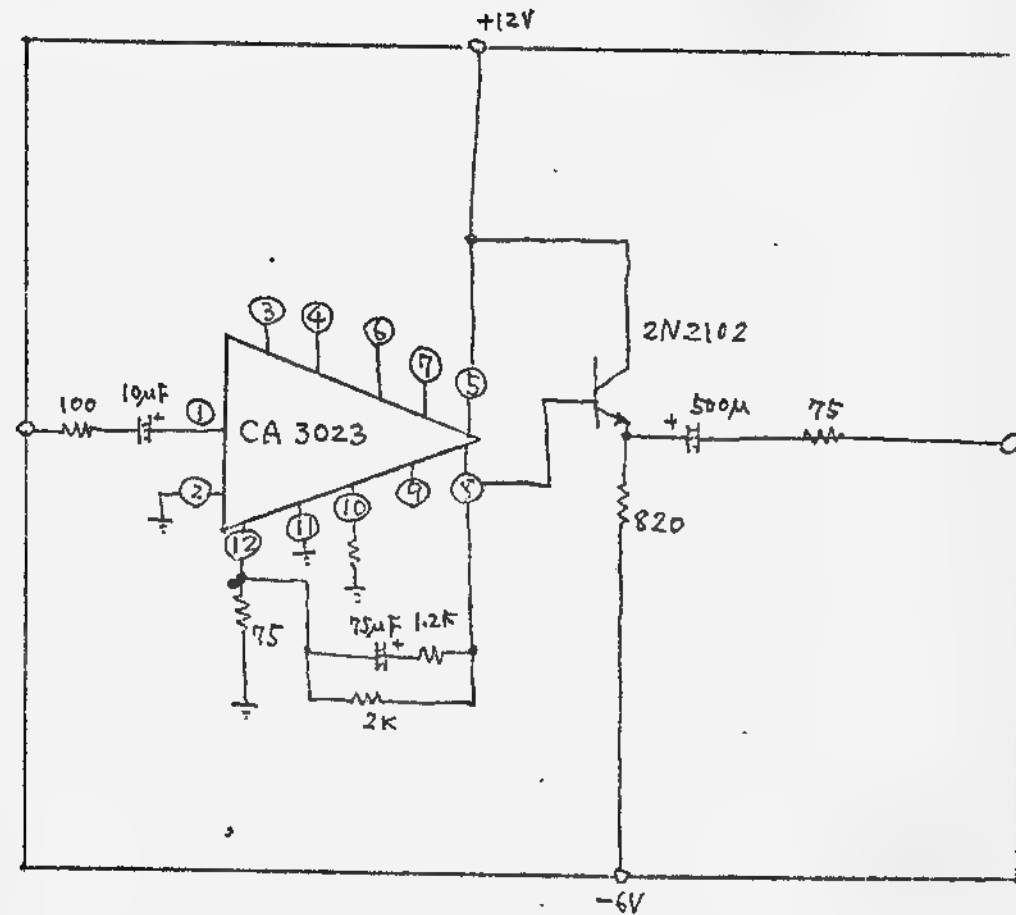
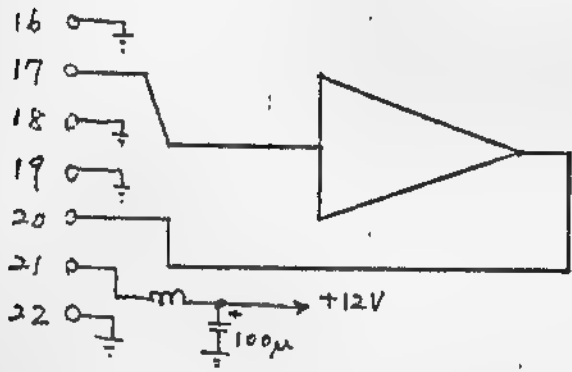
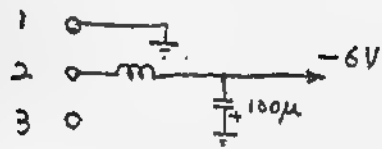
Phase CTL.

CONNECTOR Diagram

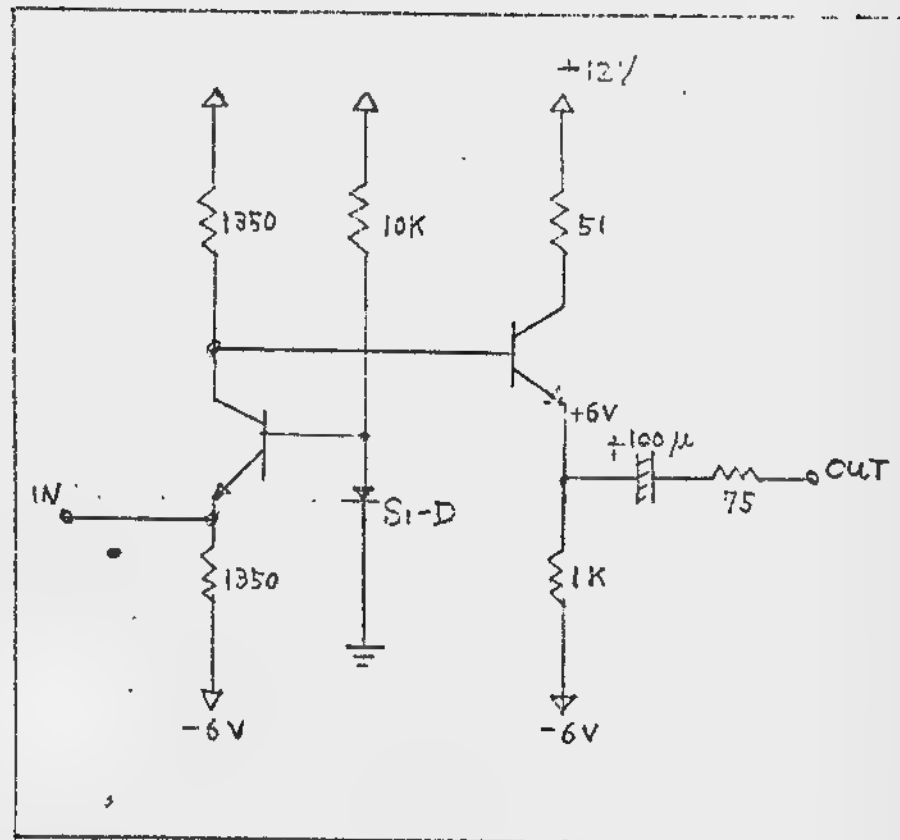
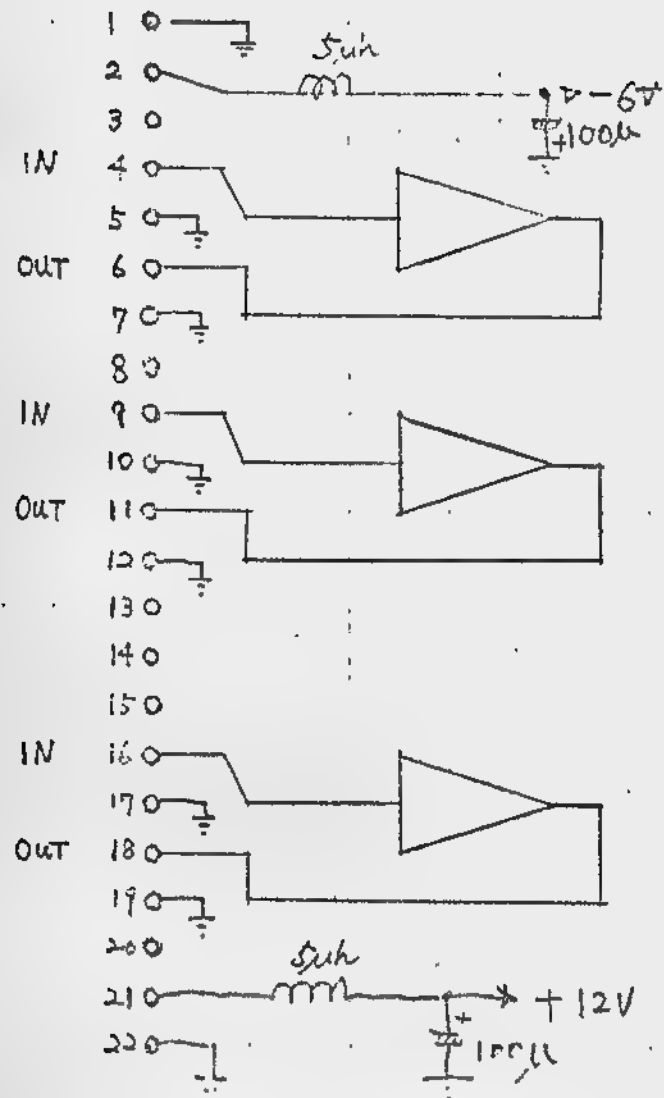




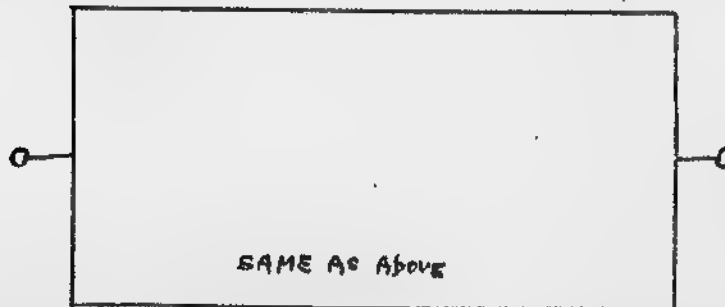
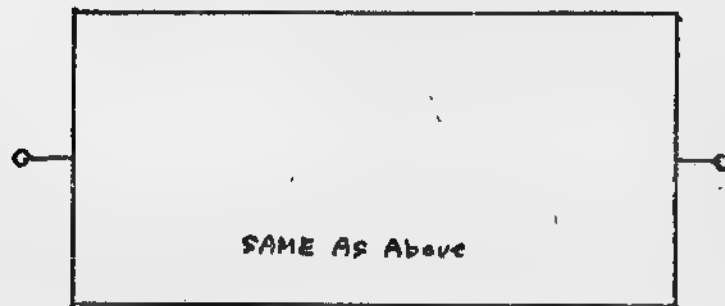
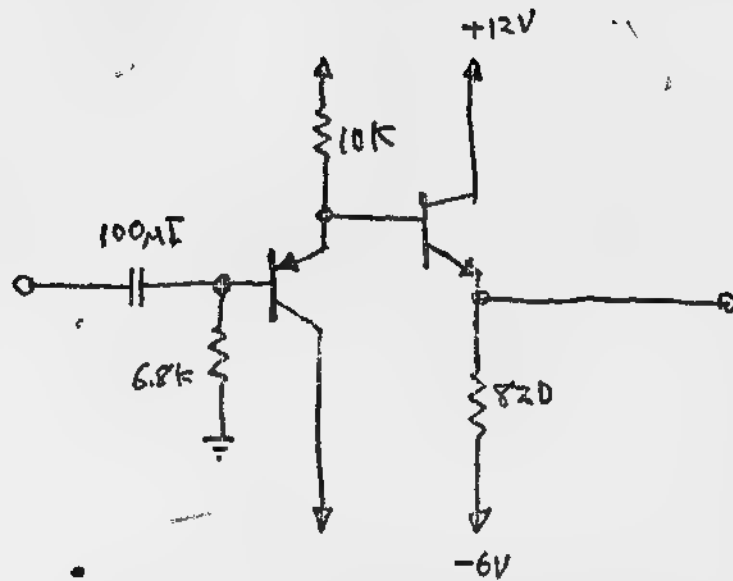
Amp.



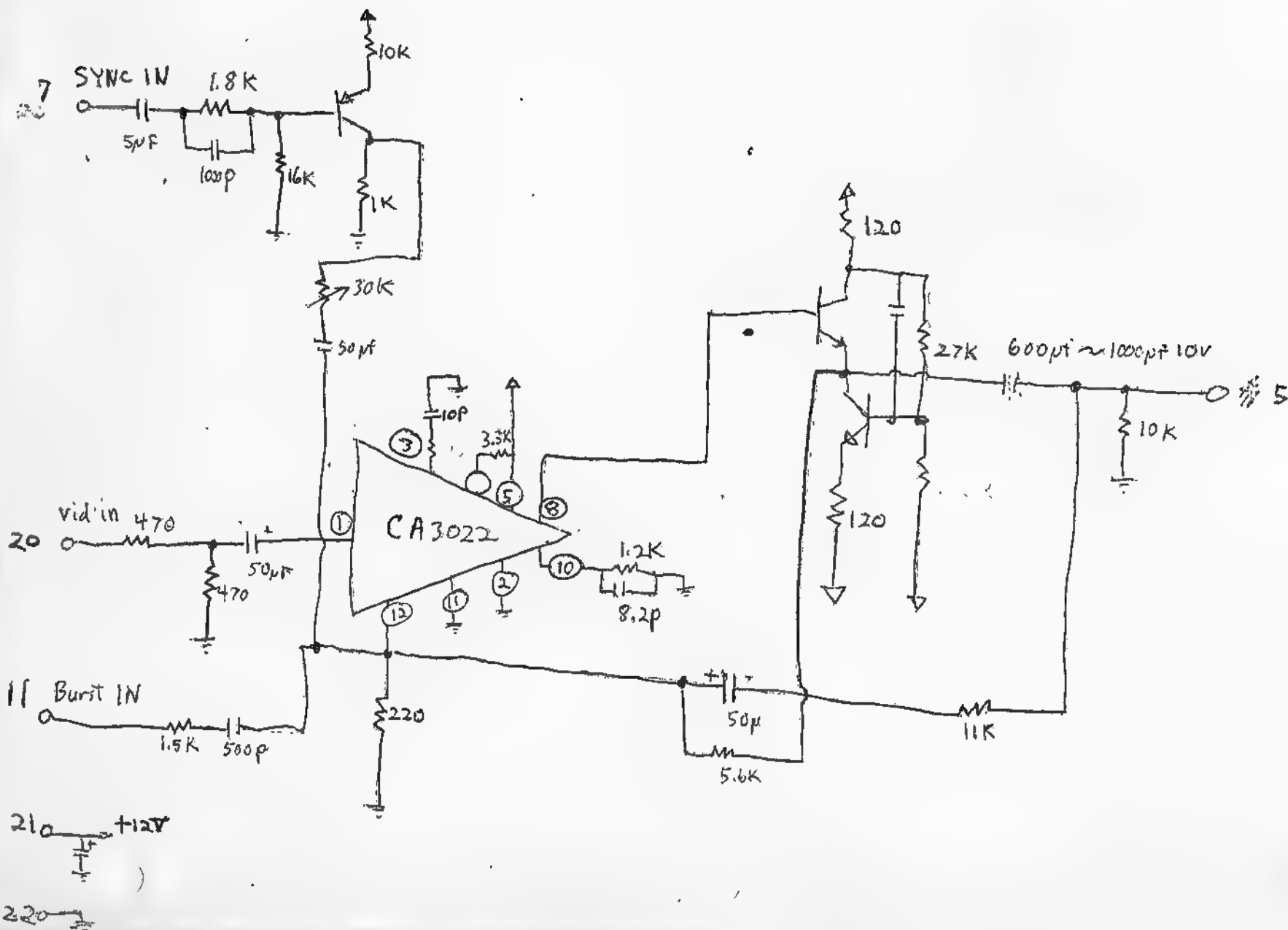
Amp.



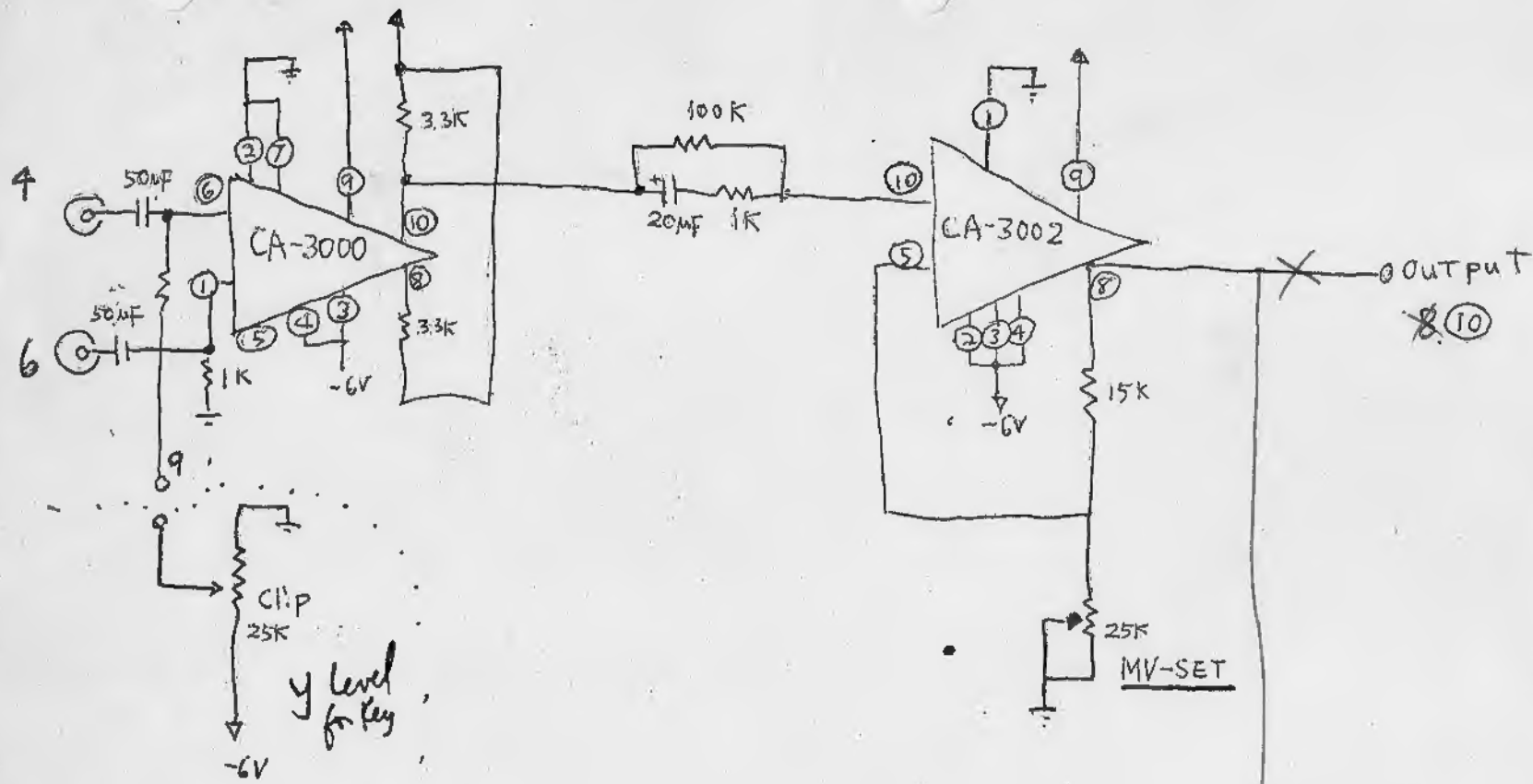
Mixing Amp



SWITCHER INPUT  
 & ITTER  
 Follower



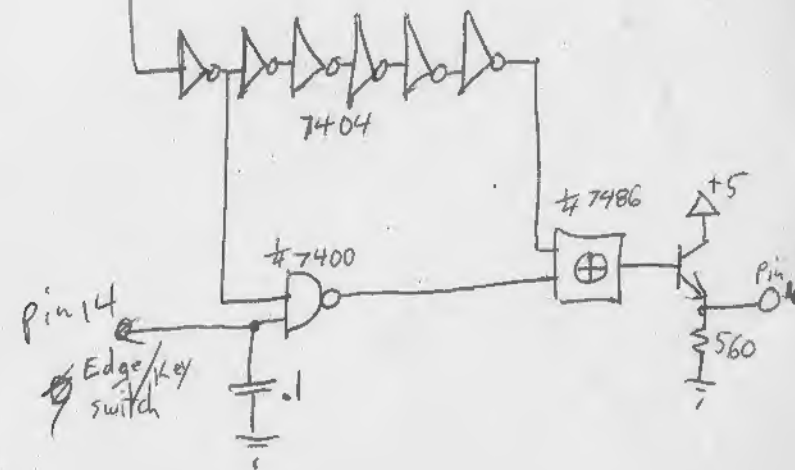




y level  
for key

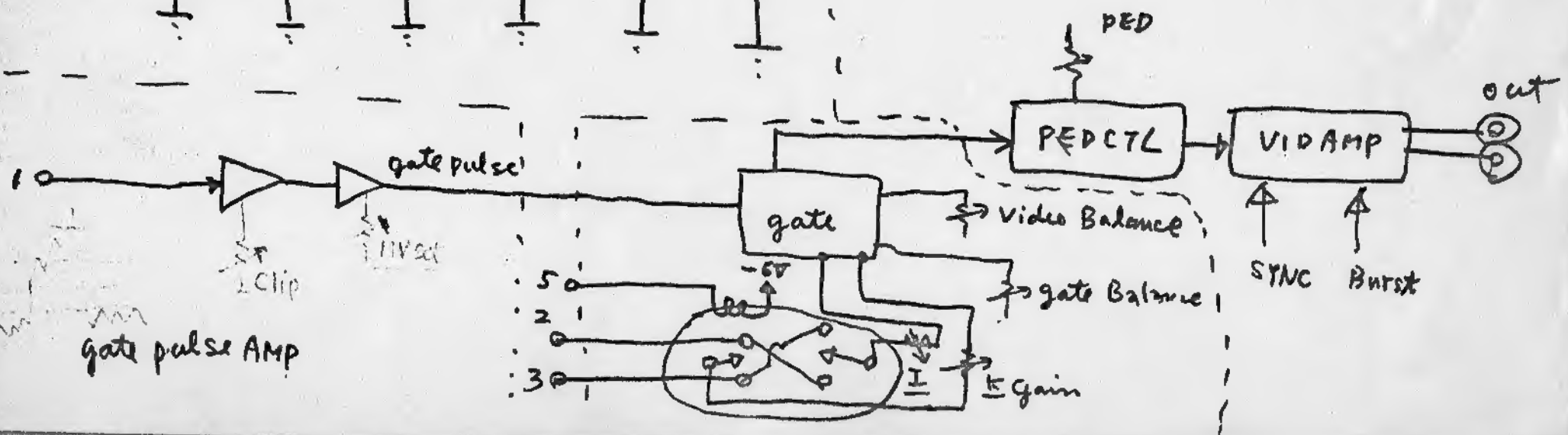
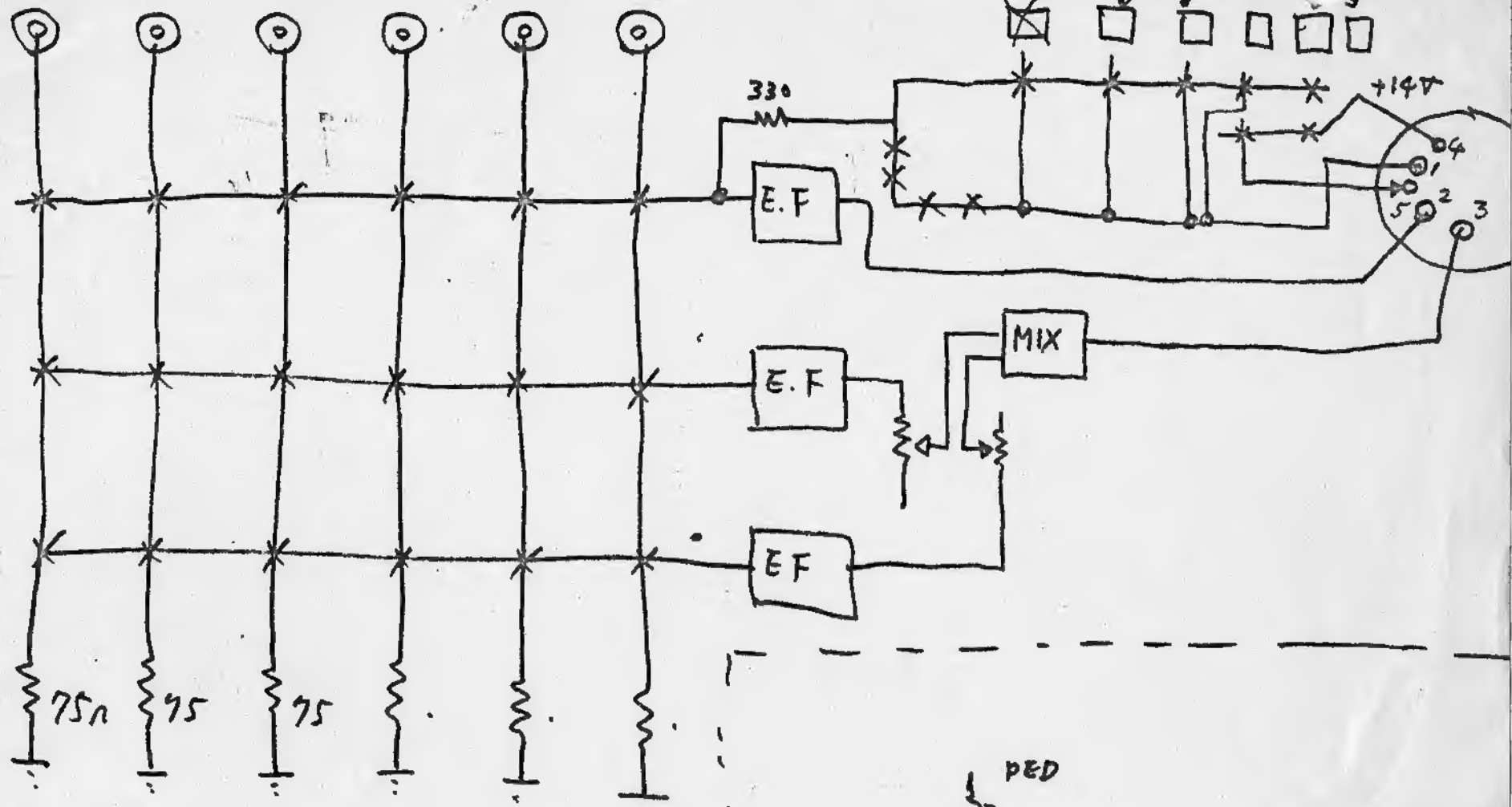
GATE Pulse Amp

CTC PULSE



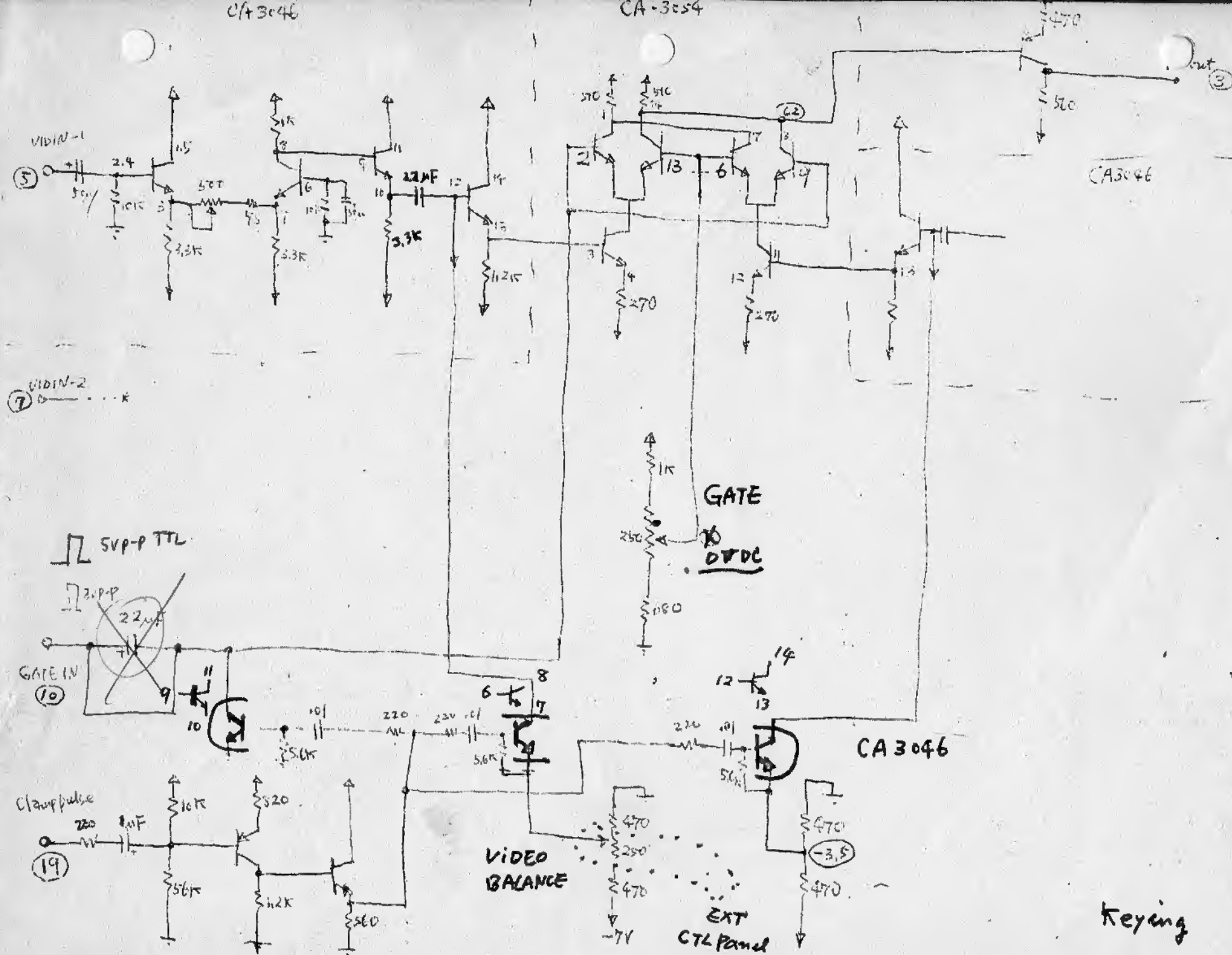
number switch board

in - out



C43046

CA-3054



Keying

